

Curriculum Vitae

Dr. Abdul Basit Associate Professor (Tenured)

Department of Computer Science and IT,
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Objectives

I want to be an experienced researcher and computer professional and work with an organization to share my work experience and add something to my skills.

I want to work as a diligent employee in order to deliver something innovative and imperative to the organization that changes its state in the Market.

Education

	School/College	Year	Grades
Ph.D in Computer Science (Machine Vision)	Asian Institute of Technology Thailand	2010-2014	-
MS of Science (M.Phil)	Asian Institute of Technology Thailand	Aug, 2008-May, 2010	3.4 GPA out of 4
MCS	SZABIST Karachi	2003-2005	3.5 GPA out of 4
BS(IT)	Preston Institute of Managements Sciences and Technology Karachi	2000-2003	3.9 GPA out of 4
HSSC	Tameer-i-Nau public college Quetta	1996-1998	First Div (71%)
SSC	Tameer-i-Nau public school Quetta	1994-1996	First Div (63%)

Publications

1. HU Rehman, **A Basit**, (2024), *Automated Robust Facial Expression Recognition using Transfer Learning ResNet50*, LC International Journal of STEM (ISSN: 2708-7123) 5 (2), 11-19
2. R Iqbal, **A Basit**, (2024), *Enhancing Vehicle Classification Accuracy: A Convolutional Neural Network (CNN) Based Model*, LC International Journal of STEM (LC-JSTEM) 5 (1), 1-12
3. F Ahmed, W Noor, MA Nasim, U Ihsan, **A Basit** (2023.)Vegetation and Non-Vegetation Classification Using Object Detection Techniques and Deep Learning from Low/Mixed Resolution Satellite Images. Pakistan Journal Emerging Sciences and Technologies 4 (4)

4. H Han, SU Bazai, MA Bhatti, **A Basit**, A Wahid, UA Bhatti, YY Ghadi, (2024), *Hybrid Climate Forecasting: Variational Mode Decomposition and Convolutional Neural Network with Long-Term Short Memory*. Polish Journal of Environmental Studies 33 (2)
5. Arfa Siddiqui, **Abdul Basit**, Waheed Noor, Muhammad Asfandiyar Khan, M Saeed H Kakar, Azam Khan (2023). *Baseline Isolated Printed Text Image Database for Pashto Script Recognition*. *Intelligent Automation & Soft Computing*, 37(1).
6. MJ Iqbal, I Ullah, M Ali, A Ahmed, W Noor, **A Basit**, (2022), *Machine Learning-based Stable P2P IPTV Overlay*, Computers, Materials & Continua 71 (3)
7. AA Sanjrani, J Baber, M Bakhtyar, I Ullah, MS Naveed, W Noor, **A Basit**, (2022), *Extended framework for Sindhi numerals OCR using gradient orientation histograms*, Journal of Intelligent & Fuzzy Systems 43 (2), 2045-2056
8. S Butt, M Bakhtyar, W Noor, J Baber, I Ullah, A Ahmed, **A Basit**, (2022), *Semantic similarity based food entities recognition using WordNet*, Journal of Intelligent & Fuzzy Systems 43 (2), 2069-2078
9. Naseer-u-Din, **Basit, A.**, Ullah, I., Noor, W., Ahmed, A., & Sheikh, N. (2022). Brain tumor detection in MRI scans using single shot multibox detector. *Journal of Intelligent & Fuzzy Systems*, 43(2), 1985-1993.
10. M Din, A Bashir, **A Basit**, S Lakho, (2021), *Abandoned Object Detection using Frame Differencing and Background Subtraction*, International Journal of Advanced Computer Science and Applications 11 (7)
11. Nawaz, A., Bakhtyar, M., Baber, J., Ullah, I., Noor, W., & **Basit, A.** (2020). Extractive text summarization models for Urdu language. *Information Processing & Management*, 57(6), 102383. **IF**. 8.6
12. GJ Naseer, A Basit, I Ali, A Iqbal, (2020), *Balochi Non Cursive Isolated Character Recognition using Deep Neural Network*, International Journal of Advanced Computer Science and Applications (IJACSA ...
13. M Ali, I Ullah, W Noor, A Sajid, **A Basit**, J Baber, (2020), *Predicting the session of an P2P IPTV user through support vector regression (SVR)*, Engineering, Technology & Applied Science Research 10 (4), 6021-6026
14. Iqbal Arif, Basit Abdul, Ali Imran, Baber Junaid, Ullah Ihsan, (2021). "Automated Meter Reading Detection Using Inception with Single Shot Multi-Box Detector. *Intelligent Automation & Soft Computing*, 27(2).
15. Zartash Kanwal, Abdul Basit, Muhammad Jawad, Ihsan Ullah and Anwar Ali Sanjrani, "Overlapped Apple Fruit Yield Estimation using Pixel Classification and Hough Transform" International Journal of Advanced Computer Science and Applications(IJACSA), 10(2), 2019. <http://dx.doi.org/10.14569/IJACSA.2019.0100271>
16. Varsha Devi Sachdeva, Junaid Baber, Maheen Bakhtyar, Ihsan Ullah, Waheed Noor and **Abdul Basit**, "Performance Evaluation of SIFT and Convolutional Neural Network for Image Retrieval" International Journal of Advanced Computer Science and Applications(IJACSA), 8(12), 2017. <http://dx.doi.org/10.14569/IJACSA.2017.081268>

17. J Baber, M Bakhtyar, W Noor, **A Basit**, I Ullah, (2016), *Performance Enhancement of Patch-based Descriptors for Image Copy Detection* International Journal of Advanced Computer Science and Applications 7 (3)
18. **Basit**, Abdul, et al, "Joint Localization and Target Tracking with a Monocular Camera" **IF** (4.1)
19. Basit, Abdul, et al. "Joint Localization of Pursuit Quadcopters and Target Using Monocular Cues." *Journal of Intelligent & Robotic Systems* (2014): 1-18. **IF** (2.823)
20. Basit, Abdul, Matthew N. Dailey, and Pudit Laksanacharoen. "Model driven state estimation for target pursuit." *Control Automation Robotics & Vision (ICARCV), 2012 12th International Conference on.* IEEE, 2012.
21. Basit, Abdul, et al. "Fast target redetection for CAMSHIFT using backprojection and histogram matching." *International Conference on Computer Vision Theory and Applications (VISAPP).* 2014.

Countries visited

Thailand
China

Employment

Organization	Job Title	Emoluments	Duration	Major Responsibilities
University of Balochistan, Pakistan	Asst. Prof. Computer Science & IT	155,000 PKR per month	July 2007 till date	Research and teaching courses in Computer Science department
University of Balochistan, Pakistan	Lecturer	70,000 PKR	July 2008 - Nov 2014	
Balochistan Education Foundation (BEF), Pakistan	MIS Officer	20,000 per month	July 2006 – July 2007	Software Developer, Network Administration, Website Designer
Federal Government Degree College Quetta Cantt. First Year Second Year Third Year Fourth Year	Lecturer	Rs. 8000 per month	2-Feb-2006 to 15, July-2006	Teaching BSc and MSc Computer Science
Pak Institute of Information Technology Quetta, Pakistan	Computer Instructor	Rs. 12,000 per month	1999-2003	Teaching Major Subjects (given in First column)
Languages <ul style="list-style-type: none"> • VB • C++ Database <ul style="list-style-type: none"> • Foxpro • Access • Oracle • SQL Server 		Office XP Graphics <ul style="list-style-type: none"> • Flash MX • Adobe Photoshop • Corel Draw • Adobe Page Maker Adobe Premier		

Software Solutions (pvt) Ltd. Karachi, Pakistan	Software Developer	Rs. 15,000 per month	2003-2005	Senior Programmer and developed the most important part of the development
<p>Time and Attendance Payroll System for</p> <ul style="list-style-type: none"> Al-Humza trading (120 Employees) Karachi, Pakistan. Universal Fashion (pvt) Ltd Karachi, Pakistan. Artistic Garment i (2500 Employees) Karachi, Pakistan. <p>Production Management System</p> <ul style="list-style-type: none"> Kasam Brothers International Karachi, Pakistan <p>Export Management System</p> <ul style="list-style-type: none"> Kasam Brother International Karachi, Pakistan. <p>Inventory Management System</p> <ul style="list-style-type: none"> Kasam Brother International Karachi, Pakistan. Al-Hamza (pvt) Ltd Karachi, Pakistan. Golden Food Industries Karachi, Pakistan. <p>Rice Management System</p> <ul style="list-style-type: none"> ATCO Rice Karachi, Pakistan. Noori Rice Karachi, Pakistan. <p>Account Management</p> <ul style="list-style-type: none"> Kasam Brothers International Karachi, Pakistan. Universal Fashion (pvt) Ltd Karachi, Pakistan. Nation Patro Carbon (NPC) Karachi, Pakistan. <p>Container Tracking System</p> <p>Al-Hamza Ship Breaking Karachi, Pakistan.</p> <p>Designed software for</p> <ul style="list-style-type: none"> Fully Automated Attendance and Payroll System. Community School Private schools of Balochistan Grand-in-Aid <p>Web: http://www.bef.org.</p>				

Projects

- University of Balochistan Research Fund (UBRF)
- Two Final year projects (FYP) in year 2018, Autonomous Vehicle and Agriculture AR.Drone
- Robots development projects
 - Smart Scanner
 - Fire Fighting Robotics
 - Smart Drones
 - Co-operative SLAM with AR.Drones
 - Lawn Mover Robots
 - Smart Water Tank
 - Home Automation System

Awards and honors

- Master leading to PhD foreign scholarship by Higher Education Commission (HEC) Pakistan, in August 2008.
- Best Innovation technology Award (BITA) remained first runner up December 2016
- Robotics cup in NUST 2018, First Runner up

- Participation in FYP (Final Year Project) Competition Feb 2019

Roles

- Coordinator for Under Graduate Studies
- Focal Person of P-test for turnit-in plagiarism test
- Judge for the Microsoft Imagine Cup
- External Examiner for the MS, PhD Thesis and Master Final Year Projects in Sardar Bahadur Khan Women University.
- External examiner for MS thesis of Alhamd Islamic University Balochistan.
- Member of Advance Board of Studies in Alamd Islamic University Balochistan.
- Member of Advance Board of Studies in Sardar Bahadur Khan Women University (SBKWU)
- Judge at Balochistan University of IT Electronics and Management Sciences (BUIITEMS) project showcase
- Semester curriculum review committee member for BUIITEMS Balochistan.
- External at board of studies (BoS) for computer science department in Alhamd Islamic University.
- Invited member at Academic council at Alhamd Islamic University Quetta Campus.

MS / MPhil Students

- 10 MPhil Student University of Balochistan
- 3 MPhil Student supervised Sardar Bahadur Khan Woman University

Certifications

Course	Institute	Year	Grades
Dot NET Certification VB .NET SQL Server ASP .NET	EVO TECH Karachi	2004	

Computer skills and experience

Computer Languages	Graphics	Web Development	Databases
Ruby on Rails Laravel and PHP Visual Basic 6 Visual C++ C/C++, VB.NET ASP.NET C# .Net Java	Adobe Photo Shop CS Corel Draw 12 Flash MX Professional Adobe Premier Pro Adobe Page Maker Macromedia Fireworks Macromedia Free Hand	HTML Java script Dream weaver MX Front page ASP. Net PHP	Visual FoxPro Ms Access SQL Server 2000\

Other Projects

Project Title	Organization	Duration
Fee Management System	Tameer-i-Nau public college Quetta	BS Project
Online Broadcasting System	FM92 Karachi	MS Project

Library Management System	PIMSAT Quetta	
Online Test Management	Pak Institute of Information Technology	
School Management	Media Academy Quetta	
Office Management	Media Academy Quetta	

Achievements

First division through out educational career
Participation in several software competitions

Personal Data

Father Name	Haji Abdul Wahab
Nationality	Pakistani
Local /Domicile	Balochistan (District Killa Abdullah)
N.I.C No	54400-8487323-3
Birth Date	2-2-1980
Religion	Islam

Interests

My interests are as follows

1. Data Science Programming
2. Databases design
3. Web Application Development