

MUHAMMAD ABBAS

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ABOUT ME

Proactive candidate with over 3.1 years of experience in development and research (4 months of training). Awarded a master's degree in Masters Degree in Computer Technology from Beijing University of Posts and Telecommunications, China, with research on facial recognition using deep learning. Passionate about working on research projects as a Ph.D. Researcher i.e. Machine Learning, Deep Learning, and Data Analysis. An individual learner and happily working with colleagues to foster the ideal environment for sharing information and learning new ideas.

EDUCATION AND TRAINING

MASTERS OF ENGINEERING

Beijing University of Posts and Telecommunications [10/09/2018 – 25/07/2020]

Address: 100876 Beijing (China)

<https://english.bupt.edu.cn/>

Field(s) of study: Computer Technology

Final grade : 3.5/4.0

Thesis: Personal Photo Album Management System based on Deep Learning Face Clustering Technology

Participated in several volunteers and Chinese cultural activities.

Mini Projects:

- Sentiment Analysis on Movie Reviews Dataset (Python 3.7)
- MapReduce Program/Project (Apache Hadoop 2.7.3)
- Spark in Hadoop, Spark version: Apache Spark 2.1.1 (Word Count Project)
- In the IOT laboratory performed the Experiments with RFID and lighting sensor temperature sensor while working the course and proposed the Smart Street Energy Saving System

BACHELOR OF SCIENCE

Quaid-e-Awam University of Engineering, Science & Technology [03/01/2011 – 24/04/2015]

Address: 67450 Nawabshah (Pakistan)

<https://www.quest.edu.pk/>

Field(s) of study: Computer Sciecne

Final grade : 1st division

Thesis: Online Registration and Testing System

Research Interest

Machine Learning, Deep Learning, Face Recognition, and Data Analysis & Data Science.

Awarded President Scholarship for Masters Program

Beijing University of Posts and Telecommunications 2018 [10/09/2018 – 25/07/2020]

Address: (China)

Fully Funded Two-Year Master's Degree Program Based on the President's Scholarship (China), 2018-2020.

Certificate Awarded in the Presentation

Competition b/w Universities (MUET and QUEST) in the Computer Science department. (2014).

Publications (National & International Journals)

Machine Learning, Deep Learning, Data Analysis, and Sentimental Analysis.

- **Abbas M**, Memon KA, Jamali AA, Memon S, Ahmed A. Multinomial Naive Bayes classification model for sentiment analysis. International Journal of Computer Science and Network Security. 2019 Mar; 19(3):62.
- **Abbas M**, Memon KA, Ajebesone EF, Usaid M, Bhutto ZA. An Improved Weighted Base Classification for Optimum Weighted Nearest Neighbor Classifiers. EAI Endorsed Transactions on Scalable Information Systems. 2020; 7 (27). doi: 10.4108/eai.13-7-2018.163339.
- Ali B, Mahmood T, **Abbas M**, Hussain M, Ullah H, Sarker A, Khan A. LEACH Robust Routing Approach Applying Machine Learning. International Journal of Computer Science and Network Security. 2019 Jun;19(6):18-26.
- Memon S, Soothar KK, Memon KA, Magsi AH, Laghari AA, **Abbas M**, Memon Ain N. The Design of Wireless Portable Electrocardiograph Monitoring System Based on ZigBee. EAI Endorsed Transactions on Scalable Information Systems. 2020; 7 (28). doi: 10.4108/eai.13-7-2018.164558.
- Memon Ain N, Memon KA, **Abbas, M.**, Hussaini NN, Zulifqar AB, Soothar KK. A Visualization Based Analysis on Dynamic Bandwidth Allocation Algorithms for Optical Networks. EAI Endorsed Transactions on Scalable Information Systems., 2020; 7 (28). DOI: 10.4108/eai.13-7-2018.164665.
- Bhutto ZA, Hakro DN, Memon M, Memon Ain N, Memon KA, **Abbas M**, Hameed M, "Battery life Checking by Applying Pearls Message Passing", Sindh University Research Journal (Science Series) Vol. 52 (02) 191-198 (2020).
- Uqaili JA, Memon S, Hafiz MB, Dehraj D, Javed M, Hussain M, **Abbas M**, "Implementation of scalable and energy efficient WSN platform for IoT applications", Indian Journal of Science and Technology, VOL. 13, No. 36, pp. 3725-3737, OCT, 2020. doi: 10.17485/IJST/v13i36.1263.

WORK EXPERIENCE

Software Development Training (Java Essential Training and Advance Level)

Hidaya Institute of Science and Technology (HIST), Jamshoro, PAKISTAN. [02/02/2015 – 31/05/2015]

Mini Projects

- Final Year Project (Online Registration and Testing System)
- R Studio (differentiate the quality of alcohol based on different parameters)
- Social network web application (client / server side technologies)
- Online Advertisement Service (i.e. OLX)
- Payment Management System
- School Management System
- Classes and Exam Time Table (Console Based C#)

Senior Software developer

Nizam Energy Pvt. Ltd. Karachi, PAKISTAN. [06/11/2015 – 31/07/2018]

- Possess development experience in various applications and projects and train new developers
- Research, design, implementation and management of software programs
- Debug, identify errors and subsequently develop modifications
- Maintain and update existing systems

DIGITAL SKILLS

Programming:

Java Programming language / REST Webservices / Programming: basic Python, basic R / Web Development: HTML 5, CSS, JavaScript / BOOTSTRAP 3/4 / PHP - Intermediate / JSP, Servlets / GIT (GitHub)

Database:

SQL/MYSQL / SQL database: queries, stored procedures / Normalization

Development Tools:

Visual Studio / Visual Studio Code / R (R-studio) / IDE: Visual Studio, NetBeans, Eclipse / Wamp server Xamp server / SQLyog / Jupyter Notebook / Google Colab / PyCharm / Medium knowledge of MySQL MatLab

Professional Tools:

Latex Software / Linux (basics) / Selenium Software - Basic / Mendeley / MS Office (MS Word, MS Powerpoint, MS Excel, MS)

LANGUAGE SKILLS

Other language(s):

English

LISTENING C2 READING C2 WRITING C2
SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

Chinese

LISTENING A2 READING A1 WRITING A1
SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

Urdu

LISTENING C2 READING C2 WRITING C2
SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2