



Naveed Ahmed

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HONOURS AND AWARDS

Gold Medal in my undergraduate degree (BSCS) from the University of Gujrat

Won Grant under NGIRI (ICT Funding) by Ignite - National Technology Fund for the project "Autonomous Car Using Raspberry PI"

Got a fully funded scholarship from Higher Education Commission, Pakistan for Undergraduate.

Presented Paper in the 11th International Conference on Robotics, Vision, Signal Processing, and Power Applications

EDUCATION AND TRAINING

[Sep 2017 – Jun 2021] **Bachelor of Computer Science (BSCS)**

University of Gujrat (Gold Medalist)

[Sep 2015 – Jul 2017] **Intermediate of Computer Science (ICS)**

Punjab Group of Colleges, Gujrat, Pakistan

[Mar 2011 – Jul 2015] **Matriculation (Computer Science)**

Government Islamia High School

WORK EXPERIENCE

[Jul 2021 – Current] **Senior Data Scientist** *Calrom (UK company)*

Designing and building a smart flight recommendation system using ML/DL algorithms and AzureML.

[Sep 2020 – Oct 2021] **Data scientist** *Dealers Gear (US company)*

Built and integrated chatbot with the dealer's website and Facebook, designed software 'AdTonmous' which is a Personal Assistant 24/7 for Google Ads Management.

[Sep 2020 – Mar 2021] **Teacher Assistant** *University of Gujrat, Pakistan*

Conduct programming labs of Python/C++ and work with the teacher to monitor the class schedule

[Mar 2019 – Sep 2020] **ML Research Assistant** *University of Gujrat, Pakistan*

Build AI plugin for QGIS software which saves resources by Automating GIS Engineer tasks using Computer Vision, help graduate students to gain hand-on experience of key Machine Learning concepts, guide students in implementing deep learning projects, help students to write research paper in Latex.

[Mar 2019 – Sep 2019] **Software developer** *Minds Work, Pakistan*

Develop websites using HTML, CSS, JavaScript, Ajax, jQuery, PHP and C#.

PUBLICATIONS

Zahid Iqbal, Naveed Ahmed et al, "Handling Illusive Text in Document to Improve Accuracy of Plagiarism Detection Algorithm", "The 11th International Conference on Robotics, Vision, Signal Processing, and Power Applications (RoViSP) 2021 (RoViSP2021)", 2021

Iqbal Z, Ilyas R, Chan HY, Ahmed N. Effective Solution of University Course Timetabling using Particle Swarm Optimizer based Hyper Heuristic approach Baghdad Sci.J [Internet]. 2021Dec.20 [cited 2022Feb.11];18(4(Suppl.):1465

CERTIFICATIONS

Python for Data Science, AI & Development (IBM)

AI For Everyone (deeplearning.ai)

Deep Learning (deeplearning.ai)

Introduction to Self-Driving Cars (University of Toronto)

An Introduction to Programming the Internet of Things (IOT) Specialization (University of California, Irvine)

PROJECTS

Autonomous Car using Raspberry PI

This Project won Grant under NGIRI (ICT Funding) by Ignite National Technology Fund. We Build a prototype of a self-driving car

- Stop sign, Obstacle, Road Lane, Traffic light detection and recognition
- Mobile app for controlling traffic lights and showing GPS sensor values on Googlemap.
- <https://youtu.be/PnXpyWSI8fQ>

Chatbot

- Facebook & Website Messenger Integration, Email Alert
- <https://youtu.be/Sf92k--i4Eg>

Design Flight Recommendation System

Generate Revenue for my Company by predicting best Date for Booking Flight.

Artificial Intelligence in QGIS

Save Resources by Automating routinely tasks of GIS Engineer task using Computer Vision in QGIS software.

Comparison of Machine Learning Algorithms and Ensemble Learning on Heart Disease Prediction Problem

Lungs Cancer Detection from X-ray Using Transfer Learning

Brain Tumor Auto-Segmentation for (MRI)

DIGITAL SKILLS

Python | Machine Learning | Deep Learning | NLP | Azure ML | TensorFlow, Keras, Pytorch | Chatbots | Flask | Data Science | Pandas | Scikit-Learn | NumPy