

Naveed Ahmed



HONORS AND AWARDS

- **Gold Medalist** in University of Gujrat.
- **Present Paper** in the 11th International Conference on Robotics, Vision, Signal Processing, and Power Applications in Malaysia.
- Awarded a fully funded scholarship from HEC during my BSCS.
- Merit scholarship holder during my intermediate as well as during bachelor's degree.
- IBM Digital Badge of Python for Data Science and AI
- First position holder during my intermediate and High school.

PROFESSIONAL EXPERIENCE

Nov 2020-Present	Artificial Intelligence Developer	DealersGear (Multinational company in Irvine, California, United States)
Dec 2019-Jan 2021	Machine Learning Research Assistant	University of Gujrat, Hafiz Hayat Campus
Sep 2020-Mar 2021	Teacher Assistant	University of Gujrat, Hafiz Hayat Campus Programing Fundamental, Artificial Intelligence.
May 2019-Sep 2019	Software Engineer	Mindwork

RESEARCH WORK

1. Handling Illusive Text in Document to improve Accuracy of Plagiarism Detection Algorithm, The 11th International Conference on Robotics, Vision, Signal Processing, and Power Applications [ACCEPTED]
2. Effective Solution of University Course Timetabling Problem Using Hyper-Heuristic PSO [ACCEPTED]
3. Comparison Study of Machine and Deep Learning Techniques on Diagnosing Breast Cancer (in progress)

EDUCATION

2017-2021	BS (CS)	3.7/4.0 (Gold Medalist)	University of Gujrat, Gujrat, Pakistan.
2015-2017	I.C.S (Physics)	1 st Division	Punjab Group of Colleges, Gujrat.
2011-2015	Matriculation	1 st Division	Government Islamia High School, Lalamusa.

FINAL YEAR PROJECT

➤ Autonomous Car Using Raspberry Pi

This project basically has two modules. In First module we build a Cruise Control Car in Carla, that will follow reference path and speed using Controllers. In second Module we implemented limited version of Autonomous Car using Raspberry Pi, which have capability to lane detection, obstacle detection & overtaking, traffic light detection and Recognition) and dynamic indicators.

FIELDS OF INTEREST

- Deep Learning
 - Computer Vision
 - Autonomous Robotics System
 - Machine Learning
 - Data Science
 - Internet of Things
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TECHNICAL SKILLS

Programming Languages: Python, C, C++, Java, C#

Web Technologies: HTML 5, JavaScript, CSS, jQuery, AJAX, XML, PHP, Flask

Databases: SQL Server, MySQL, Oracle, MS Access

Operating System: ROS (Robot Operating System), Windows, Linux (Ubuntu)

Tools: Google Colab, Latex, Jupyter Notebook, Microsoft Visual Studio, Macromedia Dreamweaver, MS Office, Crystal Report, Net Beans, MS Project , Packet tracer, ZenMap, WireShark, Arduino IDE etc.

Hardware: LIDAR, Arduino, Raspberry Bi, ESP32

CERTIFICATIONS

1. Deep Learning Specialization (By Andrew Ng, formerly Chief Scientist, Baidu and founding lead of Google Brain)
 2. Data Scientist with Python (Data camp)
 3. Machine Learning Specialist (Data camp)
 4. Marketing Analytics (Data Camp)
 5. Getting Started with AI using IBM Watson (By IBM)
 6. Introduction to Artificial Intelligence (AI) (By IBM)
 7. AI For Everyone (By Andrew Ng)
 8. Python for Data Science and AI (By IBM)
 9. Introduction to Self-Driving Cars (University of Toronto)
 10. An Introduction to Programing and Internet of Things (IOT) Specialization (By University of California, Irvine)
 11. Machine Learning (By Sandford University) (in progress)
 12. Predict Employee Turnover with scikit-learn (By Rhyme.com)
 13. TensorFlow Deployment Specialization (Deeplearning.ai) (in progress)
 14. IBM Data Science Professional Certificate (By IBM) (in progress)
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PERSONAL PROFILE

Name	Naveed Ahmed
Gender	Male
Date of Birth	29-Jan-2000
Nationality	Pakistani
Linguistic Ability	English, Urdu, Punjabi
Mobile	+923310049478
Email	naveed49478@gmail.com
LinkedIn	https://www.linkedin.com/in/naveed-ahmed-bb1133193/
Present Address	B-7/357, Kareempura, Lalamusa, Gujrat, Pakistan

PROJECTS

I have developed and implemented many Data Science, ML, AI, Web and Desktop projects. Some of them are as given below: -

Data Science & Machine Learning

- Comparison of Machine Learning Algorithms and Ensemble Learning on Heart Disease Prediction
- Bitcoin_Price_Prediction System using SVR
- Kidney Disease Prediction System
- Diabetes melitus prediction System
- Email Spam Detection System using NLP and MultinomialNB
- Employee Attrition Prediction System using RandomForest Classifier.
- Classification Of Cardiovascular Disease using RandomForest Classifier
- Prediction Of Closing Stock Price Using LSTM
- Movie Recommendation System using Cosine Similarity
- NBA Basketball Team Clustering using kMeans
- Predict House Price Using Neural Networks
- Predict Stock price of GOOG stock using SVR and Linear Regression
- COVID-19 ChatBot System using cosine Similarity from article
- Text to Speech System
- Lungs Cancer Detection From X-ray Using Transfer Learning (VGG16 and VGG19 Models)
- Analysis of Transactions of a bakery using apriori algo and Fpgrowth algo
- Comparison of Different Machine Learning Algorithm on Fraud Detection Problem
- DNA Sequencing using k-mer counting approach and applying NB Classifier
- Web App for Molecular Descriptor Calculator
- Comparison of more tan 30 ML Algorithms in Drug Discovery
- Reproduce the paper “Estimating Aqueous Solubility Directly from Molecular Structureusing”

Deep Learning & Computer Vision

- Gesture Recognition using CNN Tensorflow
- Autonomous driving - Car detection using non-max supression and YOLO.
- Face Recognition System using facenet model
- Human Pose Estimation using Caffe Model
- Cat face Detector using Haar cascades shipped with OpenCV
- Art Generation with Neural StyleTransfer
- Pedestrian Detection using the OpenCV library and HOG.
- YOLO object detection using OpenCV
- Trigger Word Detection (wake up devices like Alexa, Apple Siri upon hearing a certain word)
- Facial landmarks detection using DLIB library
- Traffic Light Classifier
- Optical Character Recongition
- Word Vector Representations to build an Emojifier using Keras
- Generate music using LSTM
- Face Clustering using DBSCAN algorithm
- Generate Shakespeer Poems using LSTM model
- Detecting Barcodes in Images with Python and OpenCV

Robotics & IOT

- Self driving Car
- Wifi Control Robot using Esp32 microcontroller
- Maze Solver Robot using ultrasonic sound sensors.
- Line Follower Robot using IR sensor
- GUI applications for visualizing live sensor data (MQTT, COAP, HTTP)

Desktop App Development

- Tailor management system in urdu language
- PROTO TYPE OF UBL (united bank limmited) ATM machine
- Proto type of ms paint application
- Proto type of face detection and recognition
- Client server chat application
- Personal assistant using speech recognition
- Implentation of DES|AES algo with GUI

Web Development

- Autolinkme.com
- General electronics
- Faran peigon club

REFERENCES

Will be furnished on demand.