Zoheen Shahzad

Bachelor of Technology
Electronics and Communication Engineering
Jamia Millia Islamia, New Delhi

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GitHub Profile
LinkedIn Profile
Portfolio

Education

•Bachelor of Technology in Electronics and Communication Engineering *2022-26*
Jamia Millia Islamia, New Delhi **CGPA: 8.56**

•Class 12 *2020-21*
Hamdard Public School, New Delhi **Percentage: 92.6**

•Class 10 *2020-21*
Hamdard Public School, New Delhi **Percentage: 95.5**

Technical Skills and Interests

Languages: C/C++, Python, Javascript, HTML/CSS
Libraries and frameworks :TensorFlow, NumPy, Scikit-learn, Pytorch, Pandas, Matplotlib, OpenCV, ReactJs, fastapi,Node.js, Express.js , MongoDB
Relevent Coursework: Data Structures & Algorithms, Object Oriented Programming, Supervised Learning, CNN ,Deep Learning, Computer Vision

Experience

•Research Internship *June'25 – Present*
UiT - The Arctic University of Norway (Remote)
Online Learning and Haphazard Inputs in Machine Learning

- Conducting research in the field of **online learning**, focusing on handling **haphazard and unpredictable input streams**.
- Collaborating with mentors to review literature, design experiments, and implement online learning algorithms.

•MLOps Intern
EndorseSphere Ventures Private Limited, Remote November'24 - January'25

- Contributed to the development of an AI-driven job matching system as part of a team.
- Implemented Named Entity Recognition (NER) and cosine similarity techniques to enhance job-to-candidate recommendation accuracy.
- Utilized **Microsoft Azure Document Intelligence** for document processing and data extraction tasks.

•Summer Research Internship *June'24 - August'24*
Malaviya National Institute of Technology (MNIT), Jaipur
Digital Mammogram Image Analysis and Brain Tumor MRI Image Classification

- Conducted research on digital mammogram image analysis using convolutional neural networks **(CNNs)** to improve breast cancer detection.
- Performed a comparative study on 10 CNN models, including ResNet, VGG, and EfficientNet variants, for tumor classification.
- Analyzed performance metrics such as test accuracy, ROC scores, and classification reports, achieving a highest ROC score of 99.1 with MobileNet and 98.8 with Xception.

Personal Projects

•SkillPilot
React.js, MongoDB Atlas, Tailwind CSS, Python, FastAPI, SVM (ML)

- GitHub: Frontend | Backend | SkillPilot
- Developed an AI-powered career guidance platform that predicts job roles, career roadmaps, and salary insights based on user skills and interests.
- Built Career Compass to recommend job roles, provide salary insights, and job market trends.
- Trained an SVM model with TF-IDF for accurate career recommendation.

•Grammar Error Correction (GEC)
Python, Transformers (Hugging Face), T5, Seq2Seq, NLP

– GitHub: Project Repository
– Developed a grammar error correction model using T5, trained on multilingual GEC datasets.
– Optimized model performance through fine-tuning and evaluation using BLEU and Exact Match accuracy metrics.

•**Food-en-Route**

Javascript, TailwindCSS, HTML, React.js, Firebase

– GitHub: https://github.com/Zoheen/WEproject
– Worked as a team of three and Developed a dynamic restaurant management website with real-time menu updates via an intuitive admin panel.
– Responsive design for optimal user experience.

Achievements

•**Google-Talentsprint WE scholar (2023)**

Got selected in the WE mentorship/scholarship program
Cleared 4 rounds of selection and received a scholarship of 1,00,000 rupees.

Was among the selected 200 out of 22k+ applicants.