Zoheen Shahzad

Bachelor of Technology
Electronics and Communication Engineering
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EDUCATION

•**Bachelor of Technology in Electronics and Communication Engineering** *2022-26*
Jamia Millia Islamia, New Delhi CGPA: 8.25

•**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 : C++ STL, TensorFlow, Keras, NumPy, Scikit-learn, Pandas, Matplotlib, OpenCV, ReactJs, fastapi,Node.js, Express.js
Web Dev Tools and Databases: VScode, Git, Github, Firebase, MongoDB
Relevent Coursework: Data Structures & Algorithms, Object Oriented Programming, Supervised Learning, CNN ,Deep Learning, Computer Vision, NLP

EXPERIENCE

•**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.
 – Worked on implementing Named Entity Recognition (NER) and cosine similarity to improve job-to-candidate recommendations.
 – Collaborated with senior team members to refine the algorithm for better accuracy and efficiency.

•**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, Render, 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.
 – Implemented Resume Tools:
    * Resume Analyzer: Compares resumes with career skill requirements using cosine similarity and suggests improvements.
    * Resume Builder: Generates ATS-friendly resumes with customizable templates.
 – Built Career Compass to recommend job roles, provide salary insights, and job market trends.
 – Trained an SVM model with TF-IDF for accurate career classification.

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

 – GitHub: Project Repository

- Developed an AI-powered grammar error correction model using T5, trained on multilingual GEC datasets.
- Implemented a Seq2Seq approach to correct grammatical errors in English, with plans to extend to multiple languages using mT5.
- Optimized model performance through fine-tuning and evaluation using BLEU and Exact Match accuracy metrics.

•Heart Disease Prediction

Pandas, Pylab, Numpy, Scipy, Matplotlib, Seaborn

- GitHub: https://github.com/Zoheen/CHD-ML-
- Predicted the 10-year risk of coronary heart disease (CHD) using logistic regression.
- Data: Patient records from Framingham, Massachusetts.
  Features: Selected features include age, sex, smokingstatus, cholesterol, blood pressure and glucose levels.
  Results:Achieved 85 percent accuracy in predicting CHD risk.

•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.

POSITIONS OF RESPONSIBILITY

•GDSC-JMI(Social Media Team Lead)

- Managed event promotions and community engagement, driving 50K+ total views and reaching 5K+ unique accounts.
- Recognized for outstanding contributions and awarded incentives for consistent and active participation throughout the tenure.

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.

Courses included: Data Structures Algorithms, Full-Stack Web Development, Generative AI, Large System Design, Corporate Leadership Skills, and Computational Thinking.

•Gold Medal (2019)
Received a Gold meal for acaemic excellence.