

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: 8.25
- **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, Pytorch, Pandas, Matplotlib, OpenCV, ReactJs, fastapi, Node.js, Express.js

Web Dev Tools and Databases: VScode, Git, Github, Firebase, MongoDB

Relevant Coursework: Data Structures & Algorithms, Object Oriented Programming, Supervised Learning, CNN, Deep Learning, Computer Vision, NLP

EXPERIENCE

- **MLOps Intern** November'24 - January'25
EndorseSphere Ventures Private Limited, Remote
 - 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.
 - Co-authored a research paper based on results from the comparative CNN analysis for medical image classification.
- **PR Internship** June '24-August'24
Shaagird Foundation, Delhi
 - Enhanced networking and collaboration with potential donors and partners to support the foundation's educational initiatives.
 - Worked with graphic design to increase visibility through social media campaigns and outreach materials.
 - Created and presented pitch documents to attract funding and expand awareness of the foundation's mission.

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 medal for academic excellence.