

Saniya Ahemad

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Education

Integrated M. Tech (CSE), Vellore Institute of Technology, Bhopal (Nov '22 - Ongoing) CGPA: **8.88/10**

Class XII, Government Prabhavati Manekar Higher Secondary School (Apr '22): **95%**

Class X, Government Prabhavati Manekar Higher Secondary School (May '20): **97.25%**

Projects

Mediwise - Healthcare System | May - June 2025

Developed an AI-powered medical chatbot to provide instant healthcare advice based on user symptoms. Integrated a machine learning model to suggest first-level precautions, diet modifications, and yoga/exercise recommendations for common ailments. Built a user-friendly web interface with a Flask backend and included a feature to locate nearby doctors, offering immediate, preliminary support before a professional consultation.

Technologies: *Python, Flask, Scikit-learn/spaCy/OpenAI API, HTML, CSS, JavaScript*

Deepfake Image Detection System | Feb – Apr 2025

Developed a CNN-based machine learning model to detect deep fake images with high accuracy; integrated a Flask backend for real-time predictions and deployed the model for user testing. Leveraged OpenCV for image preprocessing and TensorFlow for model training, improving detection reliability in diverse datasets.

Technologies: *Python, TensorFlow, Flask, OpenCV*

Resume Screening AI-Based System | Oct – Nov 2024

Built an AI-powered resume screening system using machine learning algorithms to automate the candidate shortlisting process. Extracted and matched key skills, qualifications, and job descriptions, reducing time-to-hire by 35% and improving screening accuracy.

Technologies: *Python, Scikit-learn, NLP, Pandas*

Link : [Resume Screening AI](#)

Skills

Languages : Java, Python, MySQL, C

Data Science / Analysis : Data Science, Machine Learning, Statistical Analysis

Python Libraries : Scikit-Learn, Tensorflow, Numpy, Pandas, Matplotlib, Seaborn

Frontend : HTML, CSS, Javascript

Backend : Flask

Tools : Git, Github

Achievements

- Awarded with Dreamed **STARS Scholarship** from VIT Bhopal University.
- Secured **first position in district merit in class 12th** and awarded with merit scholarship.
- Awarded by the prestigious **Reliance Foundation Scholarship**.

Certification

- **AWS Cloud Practitioner** by Coursera [↗](#)
- **Applied Machine Learning** by Coursera [↗](#)
- **Introduction to SQL** by Kaggle [↗](#)
- **Introduction to Machine Learning** by NPTEL [↗](#)

Extra-curriculars

Participated in the Inter University Chess Competition and secured 5th rank.