Mohammad Farhan Ansari

Phone no: +91-8839582124 | Bhopal, Madhya Pradesh
Email: md.ansari0605@gmail.com | LinkedIn: farhan-ansari | Github: farhan2806

EDUCATION

Bachelor of Technology, VIT Bhopal University — Expected October 2026
Major in **Computer Science and Engineering**, **Cumulative GPA**: **8.24**

12th Standard, — June 2021 - June 2022
South East Central Railway Higher Secondary School, **CBSE Percentage: 84.6%**

10th Standard, — June 2019 - June 2020
South East Central Railway Higher Secondary School, **CBSE Percentage: 90%**

SKILLS

- **Machine Learning:** Python, scikit-learn, tensorflow, Deep Learning, Data Science, matplotlib, pandas, numpy, seaborn.
- **Full Stack:** HTML, CSS, Web development, MySQL.
- **Coding Languages:** Python, C, C++, MySQL.
- **Development Tools & Platforms:** Visual-Studio Code, GitHub, Jupyter Notebook, Google Colab.
- **Certification and Training:** IBM Data Science Professional Certificate, Coursera — December 2025

PROJECTS

KerasTuner | ML - Python, TensorFlow**,** keras, kerastuner, deep learning — September 2025 - Ongoing

- Developed a Python wrapper library for **KerasTuner** that simplifies neural network hyperparameter tuning by encapsulating complex tuning logic into reusable functions, reducing manual coding effort by **70%**.
- **Implemented** automated optimization for key hyperparameters including number of neurons, learning rate, dropout rate, batch size, optimizer selection, and activation functions across **CNN**, **RNN**, and **Dense** network architectures.
- Built majorly using **5 technologies** which include **Python**, **TensorFlow/Keras**, **KerasTuner**, and **Pandas** and integrating it into existing ML workflows and supporting multiple hyperparameter search algorithms.

Retina Scanner | ML - Python, TensorFlow, CNN**,** matplotlib, pandas, deep learning — June 2024 – May2025

- Architected Retina-Scanner, a high-performance Machine Learning model using **Python**, **TensorFlow**, and **scikit-learn** to analyze retinal fundus images for early detection of 3 diseases which are autism, hypertension, and diabetes.
- Managed and mentored a **10-member team,** fostering effective collaboration and maintaining high development standards.
- Designed an intuitive **Streamlit** front-end to streamline diagnostics, reducing steps from **5** to **2** for an improved user experience.

Mediconnect | Full Stack - HTML, CSS, JavaScript, Node.js, MySQL, PHP — January 2024 – May 2024

- Created Mediconnect, an innovative healthcare platform improving medical access by connecting users with hospitals, scheduling lab tests, enabling medication orders, and providing mental health support through AI-powered chatbots.
- Coordinated a **5-member team**, ensuring effective collaboration and high-quality deliverables throughout the development lifecycle.
- Designed a responsive front-end using 6 technologies which include **HTML, CSS, JavaScript, Node.js, MySQL** and **PHP**. Optimizing performance to enhance reliability and user experience.

ACHIEVEMENTS

- **Coding Challenges:** Accomplished 100 Days of Coding & 60 Days of Data Science under Dr.G Viswanathan challenge (2023-2024).
- Competed in the Adobe Hackathon organized by GeeksForGeeks in August 2024.
- **Hackathon Finalist:** Competed in the final and ranked top 50/236 teams in Health Hackathon 2025 by VIT Bhopal & Johns Hopkins University (JHU), USA (February 2025)-demonstrated collaboration and creative thinking
- Made minor projects like twitter sentimental analysis, customer churn, movie recommender, expression recognition model and worked on big data.

EXTRA-CURRICULAR ACTIVITIES

- Hosted Darpan twice, a drama event during the annual Techno-Cultural fest of our college AdVITya in 2023 and 2024.
- **Interests:** Competitive basketball, exploring diverse cultures through travel, and appreciating the depth of hip hop music.