Maria Ahmed

maria.ahmed0009@gmail.com   linkedin.com/maria-ahmed1   ♀ Bhopal ,Madhya Pradesh, India

+91 8770476083   github.com/maria0041

Education

Vellore Institute of Technology, Bhopal	**09/2022 - 05/2026**

Bachelor of Computer Science Engineering Specializing in AI ML | CGPA till date: 8.14

St. Joseph's Convent Senior Secondary Girls School, Bhopal

AISSCE (12th)	79.5%	**2022**
AISSCE (10th)	86.8%	**2020**

Skills

Programming Languages: Python, Java, HTML, CSS
Libraries & Tools: Pandas, NumPy, TensorFlow, Keras, PyTorch, Scikit-learn, Matplotlib, OpenCV
Development Tools: Git, GitHub, VS Code, Jupyter Notebook, Google Colab, Tableau, Canva
Technical Skills: Machine Learning, Deep Learning, Neural Networks, Computer Vision, Data Analysis, Predictive Modeling, Data Visualization, UI, Front-End Development, DBMS MySQL
Languages: English, Hindi, Urdu

Projects

AI-Driven Skin Cancer Detection with Convolutional Neural Networks	**10/2024 - 12/2024**

Vellore Institute of Technology Bhopal
- Developed CNN for skin lesion classification, achieving 88.55% accuracy on ISIC 2024 dataset.
- Engineered preprocessing and training pipeline, yielding a 0.90 F1-score for malignant cases.
- Attained 92% precision in benign lesion identification, highlighting clinical applicability.

Research Project - Multi-Agent Architecture for Enhanced Problem-Solving Using LLMs	**01/2024 - 05/2024**

Vellore Institute of Technology Bhopal
- Orchestrated a multi-agent system with role-based LLM agents (Problem Definer, Decomposer, Compiler, and Tester) improving problem-solving efficiency by 20% compared to baseline models.
- Built a modular framework with few-shot learning, knowledge retrieval, and collaboration to boost performance.
- Implemented and tested using Claude 3 API, achieving 15% higher task accuracy across datasets.
- Wrote technical docs to ensure scalability and reproducibility.

Google Drive UI Clone with Interactive Drawing Tool	**04/2023**

- Deployed 90% of Google Drive UI using HTML, CSS (Materialize), and JavaScript for responsive design.
- Built a drawing tool with 5+ interactive features using the Canvas API.
- Implemented 3 core components—sidebar, search, and folders—to simulate real file management

Recipe Finder	**04/2023**

Vellore Institute of Technology Bhopal
- Built an intuitive search feature for a digital recipe book, improving recipe discovery speed by 60%

Experience

Design Team Co-Lead – Freelancing Club   **01/2024 - Present**

Vellore Institute of Technology Bhopal

- Conceptualized and visualized 30+ marketing posters, event ID cards, and branding assets across digital and print mediums; ensured design cohesiveness, brand recognition, and positive user experiences.
- Created engaging marketing content, boosting audience interaction by 40%.

Front-End Developer – AI Club Web Team   **07/2023 - 04/2024**

Vellore Institute of Technology Bhopal

- Developed and maintained the AI Club's website, optimizing UI/UX and enhancing performance.
- Coordinated AI workshops and technical events to enhance member engagement.

Honors & Achievements

TCS CodeVita Season 12   **2024**

Tata Consultancy Services

Cleared Round 1 with rank 7244 in the globally recognized competitive programming contest.

Fit India Quiz   **2021**

Ministry of Education, Government of India

Qualified State list (quarter finals)

Certifications

University of Michigan: Applied Machine Learning in Python (2024)| **NPTEL:** Privacy and Security in Online Social Media (2024) | **Vityarthi:** Python Essentials (2023) | **Microsoft Learn Student Ambassador:** HTML & CSS Bootcamp (2023) | **MathWorks:** MATLAB Onramp (2022), Simulink Onramp (2022)