Sahil Sureka

📞 +91-9827816732　　✉ sahilsureka06@gmail.com　　🔗 LinkedIn　　⭕ Github

EDUCATION

Vellore Institute of Technology (VIT), Vellore　　　　　　　　　　**August 2023 – Present**
B.Tech in Computer Science　　　　　　　　　　　　　　　　　*CGPA: 9.11 — Vellore, Tamil Nadu*

Mother's Public School, Bhubaneswar　　　　　　　　　　　　**April 2021 – March 2023**
Higher Secondary Education – CBSE　　　　　　　　　　　　　　　*Bhubaneswar, Odisha*

SKILLS

Languages: Python, Java, C, C++, JavaScript, HTML, CSS
AI/ML: Deep Learning (TensorFlow, PyTorch), NLP (Transformers, LangChain), Data Science (Pandas, Scikit-learn)
Technologies/Frameworks: Git, GitHub, ReactJS, NodeJS, ExpressJS, Thunder Client, LangGraph
Databases: MongoDB, PostgreSQL, Firebase, SQLite
Soft Skills: Leadership, Event Management, Writing, Public Speaking

EXPERIENCE

HCL Technologies Ltd | *Frontend Intern*　　　　　　　　　　　　**May 2025 – July 2025**
- Built and deployed a Simon Game web application to engage users during outages, boosting retention by **15%**.
- Engineered frontend with HTML, CSS, JavaScript, and React.js, optimizing responsiveness and usability.
- Optimized code structure and UI workflows, reducing load times by **20%** and increasing interaction speed.
- Collaborated with a 4-member team to integrate design and functionality, ensuring **100%** cross-browser compatibility.

PROJECTS

Harry Potter Language | *Python, TypeScript, Node.js, VS Code Extension API, Git, GitHub, Azure DevOps*　　**September 2025**
- Orchestrated the public launch of an open-source VS Code extension for a custom programming language, independently acquiring **147+ users** and driving **133+ installs** from the official Marketplace within 30 days.
- Developed a Python interpreter from scratch with a lexer, parser, and AST to execute a unique, themed syntax.
- Implemented rich IDE experience in TypeScript, including syntax highlighting, auto-completion, and code execution.
- Led the full SDLC from design to deployment on GitHub, managing versioning and cross-platform compatibility.

DeepFake Detector | *Python, Tensorflow, Flask, CNN, ViT*　　　　　　　　　**June 2025**
- Fashioned a robust DeepFake detection model leveraging CNN (videos) and Vision Transformers (ViT) (images), decreasing analysis time by **20%**.
- Refined the model's structure for peak output, attaining 70%+ accuracy and uplifting content authenticity.
- Released the solution via a user-facing Flask web interface, ensuring 100% accessibility for real-time content verification.

Face Recognition Attendance System | *Python, OpenCV, face_recognition, CSV, Git*　　　　**May 2025**
- Devised a real-time face recognition system using OpenCV and face_recognition to automate attendance logging.
- Processed webcam video streams to identify faces, logging attendance with timestamps, cutting manual time by 90%.
- Configured the system to output attendance data into a CSV file, achieving 100% accuracy in tracking personnel presence.

ACTIVITIES

IEEE Professional Communication Society (IEEE-PCS), VIT Vellore　　　　**April 2025 – Present**
General Secretary
- Led recruitment, increasing member engagement by **40%** and fostering a **collaborative environment**.
- Organized **10+ technical workshops, 5+ speaker sessions**, and multiple networking events, benefiting **500+ students**.
- Managed outreach and marketing, boosting event participation by **60%** through strategic promotions.

CERTIFICATIONS

Deep Learning Specialization – Andrew Ng, Coursera
GEN AI using IBM Watsonx - IBM
Microsoft Azure AI 900 – Microsoft