

EDUCATION

Vellore Institute of Technology
Bachelor of Technology in Computer Science Engineering; GPA: 8.93
Relevant Coursework: Object Oriented Programming, Data Structures and Algorithms, Machine Learning, GenAI, DBMS, Linux, Operating Systems, Software Development, Data Analyst, Computer Architecture.

Bhopal, MP, India
September 2023 - August 2027

SKILLS SUMMARY

Languages: C++, Python, Java, JavaScript, TypeScript
Frameworks: MERN, Flutter, NextJS, FastAPI
Database: PostgreSQL, MySQL, SQLite, MongoDB
Libraries: TensorFlow, Scikit-learn, PyTorch, Streamlit

EXPERIENCE

Freelance Python Developer | *Custom Python Solutions, Telegram Marketplace*

- Designed, developed, and delivered **custom Python-based management systems and automation scripts**, tailored to diverse client requirements across multiple industries.
- Optimized **code efficiency, modularity, and scalability**, ensuring seamless execution, reduced processing time, and high adaptability for various applications.
- Led the **end-to-end development of five custom Python applications**, streamlining workflows, **reducing client project delivery times by 30%**, and driving a **20% increase in positive feedback** from satisfied customers.
- Managed **client communications, requirement gathering, and project execution**, ensuring high-quality deliverables while maintaining deadlines and exceeding expectations.
- Leveraged the **Telegram marketplace** for direct client interactions, boosting outreach and securing multiple freelance projects through strategic engagement.

PROJECTS

Sign Language Recognition | *Python, TensorFlow, OpenCV, Keras, Flask, Mediapipe, Streamlit*

- Engineered an AI-powered system for real-time sign language translation, achieving **98% accuracy**.
- Designed CNN-LSTM models to enhance classification speed by **40%**, ensuring seamless text conversion.
- Utilized OpenCV and Mediapipe for precise hand tracking, reducing misclassifications by **25%**.
- Optimized inference with TensorFlow Lite, cutting latency by **35%** for smooth edge deployment.
- Built an interactive UI with Streamlit and Flask, increasing user engagement by **20%**.

AI-Powered Code Generator | *React, Next.js, OpenAI API, Firebase, Tailwind*

- Developed a web-based AI tool that translates text prompts into precise, efficient code snippets.
- Integrated OpenAI API for contextual solutions, reducing manual coding effort by **60%**.
- Leveraged Firebase for authentication and data storage, enabling personalized user experiences.
- Designed a responsive UI with Tailwind CSS, ensuring seamless cross-device performance.
- Optimized API calls and caching, enhancing response speed by **40%**.

CERTIFICATIONS

Certifications | *Verified Credentials*

- Supervised Machine Learning: Regression and Classification – Coursera
- Advanced Learning Algorithms - Coursera
- The Bits and Bytes of Computer Networking - Coursera
- Python – Vityarthi

ACCOMPLISHMENTS

BitByBit Club, VIT Bhopal | *Technical Team Lead*

- Led the development of the club's official website, improving digital presence and user accessibility.
- Managed a team to build and maintain scalable web solutions, streamlining technical operations.

Linux Club, VIT Bhopal | *Technical Team Member*

- Developed an interactive application with real-time analytics, increasing user engagement by **40%** and optimizing feedback collection.
- Enhanced academic data management by implementing advanced data structures, improving retrieval speed by **30%**.