

B MITHILESH

mitumithilesh2@gmail.com | +91-9952977500

[GitHub](#)

[LinkedIn](#)

[Website](#)

Education

Vellore Institute of Technology, Andhra Pradesh (2022-2026)

CGPA- 7.56

- Bachelor of Technology- Computer Engineering

Sri Chaitanya Techno School, Chennai (2021-2022)

82.2%

- CBSE Class XII Aggregate:

Lalaji Memorial Omega International School, Chennai (2019-2020)

82.5%

- CBSE Class X Aggregate:

Skills

- Programming Languages:** Python, Java, C++, JavaScript
- Backend Development:** Flask, Django
- App Development:** UI/UX Design, Dart, Flutter, Firebase, SupabaseDB
- Web Development:** HTML, CSS, React.js, JavaScript, MySQL, MongoDB
- Design Tools:** Adobe Photoshop, CorelDraw, Figma
- Technical Tools:** Ollama, Langchain, AutoCAD, Fusion 360, Blender
- System Administration:** Linux, Docker, Kubernetes, Proxmox, Home Server Deployment

Work Experience

VITOMIZE- Medical Startup | AI – Software Developer

- Real-time patient monitoring system utilizing medical electronics and web-sockets for continuous vital signs tracking. Implemented a self-deployable database to enhance patient data management across the domain. Engineered predictive algorithms to identify abnormalities in patient vitals and prioritize alerts. Designed a token-based notification system to promptly alert doctors of critical conditions, ensuring timely medical intervention.

OctaNet Services Pvt Ltm | Python Intern

- Transaction validation platform using Flask for backend processing, ensuring secure and efficient transactions. Implemented customer ID validation against account information to uphold transaction integrity. Applied responsive design principles for a seamless user experience across devices and utilized encryption techniques to protect sensitive data, enhancing overall transaction security..

Awards and Achievements

- GeeksForGeeks Finalist 2023:** Achieved finalist status in the GeeksForGeeks competition, showcasing technical prowess.
- 1st Position at A-Hub Hackathon:** Secured 1st place at a hackathon by A-Hub and TIE Vizag.
- 1st Position at National Hackathon:** Awarded 1st place at the National Hackathon organized by VIT SENSE for innovative solutions.
- Top 100 in Tata Imagination Challenge 2023:** Selected among the Top 100 participants, demonstrating exceptional creativity and problem-solving skills.
- Outstanding Performer in Sparc 19:** Recognized as an outstanding performer at the regional level in Sparc 19, reflecting excellence in technical and creative challenges
- “RAJAPURASKAR” Awardee:** Honored award for exceptional contributions to the Scouts movement, highlighting commitment to community service.

Tech Projects

• Stock Prediction Model

Designed and trained LSTM networks for stock market trend prediction, achieving high accuracy by leveraging advanced time series analysis techniques.

• G.E.S.T.X: Smart mirror for Mental health

Developed GESTX, an advanced smart mirror system using Raspberry Pi and a Convolutional Neural Network (CNN) to identify user emotions. This system aims to enhance public speaking skills by providing real-time feedback and adaptive guidance based on emotional recognition.

• Multi-PDF Chat App

Python application using Langchain, Ollama, and Pinecone to enable natural language queries across multiple PDF documents. The app delivers accurate, context-relevant answers based on the content of the loaded PDFs.

• Heimdall – Custom Captive portal

Python script to automate Wi-Fi login for high-security firewalls like Sophos and Fortinet. Utilizing Selenium and the Requests library, the script automates credential entry, and manages session cookies, reducing login time by 50%.

• Ip-Lookup – VPS IP Locator

Website with Node.js, hosted on Vercel, that allows users to find their virtual private server (VPS) IP address through their Internet Service Provider (ISP). The site uses the Google API to provide an intuitive interface for efficiently retrieving VPS IP.