

APARAJITH N

+91 9445558704 | aparajith.n@gmail.com | github.com/Aparajith24 | linkedin.com/in/aparajith-n

EDUCATION

Vellore Institute of Technology, Chennai

Bachelor of Technology in Electronics and Computer Engineering (GPA: 8.19/10.0) Chennai, India
07/2021 - 05/2025(Expected)

- **Activities:** Player for University Basketball Team,
- **Select CS coursework:** Algorithms and Data Structures, Signals and Systems, Computer Vision, Embedded Systems, Data Analytics, Cyber Physical Systems, AIML
- **Select Math coursework:** Calculus, Linear Algebra, Probability and Statistics

Narayana E-Techno School, Chennai

Class 11th and 12th (CBSE) Chennai, India
07/2019 - 05/2021

- **12th Percentage:** 95.8

WORK EXPERIENCE

Tisac | SDE Internship

01/2024 - 03/2024

- Developed a SaaS platform for Training LLMs, FineTune Models, Data Analytics and more on self hosted VMs using **ReactJS, NodeJS, MongoDB, Firebase, TailwindCSS**
- Engineered a specialized IDE facilitating efficient training and refinement of AI models.
- Leveraged **Microsoft Azure** for database management and serverless function deployment, ensuring scalability and reliability of the platform.

Eyemote Vision Inc | SDE Internship

09/2023 - 01/2024

- Developed a Patient Electronic Health Records (EHR) SaaS platform, ensuring secure and efficient management of patient data.
- Engineered a Real-time Remote Eye Treatment Viewer, leveraging technologies such as **WebSockets, Ngork**, to enable seamless, live interaction for remote eye examinations and treatments.
- Established bidirectional communication between the frontend and backend systems, leveraging key technologies including **Next.js, FireBase, PostgreSQL, GraphQL and Google Cloud Platform**, to enhance the overall functionality and performance of the integrated healthcare solution.

Succeed Technologies Pvt. Ltd. | SDE Internship

07/2023 - 09/2023

- Developed and maintained Web Applications using **PHP, WordPress, and Moodle** platforms.
- Created Custom Plugins to enhance the functionality and features of WordPress and Moodle.
- Managed the Organization's **Linux servers** to ensure smooth operation, security, and optimal performance.
- Authored **ISO 27001 documentation** to enhance the organization's information security practices
- Leveraged **Microsoft Azure** services to deploy and scale web applications, enhancing cloud-based solutions.

PROJECTS

- AI-powered online code editor

Developed an online code editor and compiler integrated with an AI chat, inline prompts, and debugging to accelerate your coding process using **React** for the frontend, **Monaco Editor** for the code editing environment, and **Golang** for the backend, the system allows users to write, compile, and debug code efficiently.

- Image Encryption and Compression using Chaos Techniques:

Developed an image encryption and compression system to enhance data security and reduce storage space. Utilized chaos-based algorithms to ensure robust encryption and efficient compression. Implemented the system using **Python** for algorithm development, **OpenCV** for image processing, and **Matplotlib** for visualization. [Project Link](#)

- Real-Time Music LED Visualizer:

Developed a real-time music LED visualizer using **Arduino**, WS2812B LED strips, a Custom Frequency-to-Voltage converter, and the **FastLED** library. Created a system that translates music frequency into LED patterns, enhancing the visual experience of music. [Project Link](#)

TECHNICAL SKILLS

Programming	C, Python, Go, Javascript, Typescript, PHP
Development	NodeJS, ReactJS, NextJS, ExpressJS, MySQL, MongoDB, Firebase, Tailwind CSS
Data Science	TensorFlow, Keras, Pytorch, OpenCV, Scikit-learn
Electronics	Arduino, LTSpice, Cadence Virtuoso