Midhun Chakkaravarthy K

Portfolio ↗ - LinkedIn ↗ - GitHub ↗

Email: midhunchakkaravarthy07@gmail.com
Mobile: +91-7904962567

EDUCATION

- **Coimbatore Institute of Technology** — Coimbatore, India
  Master of Science in Software Systems; GPA: 8.43/10.0 — *July 2019 - May 2024*

EXPERIENCE

- **Sayvai Software** — Coimbatore, India
  Full Stack Developer — *Jun 2024 - Present*
  - **Tech Stack**: Next.js, Supabase, FastAPI, Tailwind CSS, SQLAlchemy's Alembic, Livekit.
  - **Voicebot Dashboard**: Engineered a client-facing dashboard for voice bot configuration, focusing on STT, TTS, and LLM settings. Designed and implemented the backend infrastructure, efficiently managing data, and integrated Livekit to facilitate real-time communication with the Voicebot model via WebRTC.
  - **CMS**: Engaged in building websites for clients with a primary focus on integrating advanced voice bot and chatbot models. This enables seamless user interaction through voice and text, enhancing engagement and automating customer support. Additionally, built a content management system (CMS) to allow the client to manage and update website content easily, ensuring smooth control over the site's functionality while maintaining a user-friendly design.

- **Smartail Private Limited** — Chennai, India
  Product Engineer Intern — *Dec 2023 - May 2024*
  - **Tech Stack**: Angular, Java Spring Boot, RESTful API, MongoDB, Docker, Kafka.
  - **Admin Login Enhancement**: Revamped the admin login system by restructuring existing components and creating new ones, efficiently managing over 100+ schools and 65K+ students.
  - **Production Release & Bug Fixes**: Orchestrated a major production release, incorporating new features and resolving over 30 bugs in 6 months across 10+ UI components.

- **Smartail Private Limited** — Chennai, India
  Product Engineer Intern — *Jun 2022 - Dec 2022*
  - **AI-powered Image Extraction**: Implemented an AI-powered image extraction mechanism, reducing image processing and report generation time significantly. Utilized advanced image processing techniques for accurate extraction of questions from images, surpassing manual methods.
  - **UI Features & Bug Fixes**: Engineered various UI features and APIs, improving integration and addressing bugs.

PROJECTS

- **Event Hub** ⌂ ↗
  Platform for online events announcements and discussions.
  - **Tech Stack**: ReactJS, Firebase, JQuery.
  - **Event Discovery**: Created a platform that facilitates the discovery of online events, enhancing user engagement in webinars and workshops.
  - **Discussion Forum**: Developed an interactive chat service to foster community engagement and discussions.
  - **Highlights**: Spearheaded the creation of a user-centric platform that harmonized online event posting and sharing, enhancing an upswing in user interaction and robust participation levels, ultimately enriching the overall event experience.

- **Chat App** ↗
  This project focuses on creating a dynamic chat platform that facilitates real-time communication among users.
  - **Tech Stack**: MERN (MongoDB, Express.js, React, Node.js), WebSockets, Tailwind CSS.
  - **Communication Features**: The application enables users to find online users, and engage in one-on-one, fostering seamless communications.
  - **Message History**: Implemented a persistent message history feature, allowing users to access past conversations even after logging out or refreshing the app.

SKILLS

- **Languages**: C, Java, Python, JavaScript, TypeScript, SQL.
- **Frameworks & Libraries**: Angular, React, Next.js, Node.js, Express, Spring Boot, Tailwind CSS.
- **Databases**: PostgreSQL, MySQL, Supabase.
- **Tools**: AWS, Kubernetes, Git, ,Docker, SQLAlchemy, Alembic, Livekit, Kafka.
- **Core**: Data Structures and Algorithms, Object-Oriented Programming, Operating Systems, Programming.
- **Soft Skills**: Leadership, Event Management, Public Speaking.

EXTRA-CURRICULAR

- **Certification:** Completed the Operating System course on NPTEL ↗ and attended a ReactJS Bootcamp.
- **Hackathon Achievements:** Ranked in the top 10 in the Mitsubishi Hackathon ↗ and secured 1st place in the Melinia Hackathon ↗.
- **Bootcamp Leadership:** Conducted a Full-Stack Development workshop ↗. and organized an Angular Bootcamp through the FOSS club at CIT ↗.
- **Leadership Roles:** Served as Student Internship Coordinator at CIT and was a School Pupil Leader during Higher Secondary education.