RAMA RAGURAM

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LinkedIn. Github

PERSONAL STATEMENT FOR SOFTWARE ENGINEERING

As a passionate Full Stack Developer, I get immense happiness from creating outstanding digital solutions. My passion for learning new things and my unwavering drive for excellence drive my work in software development.

For me, maintaining my competitive edge and advancing my knowledge of cutting- edge tactics is not just a goal, but a way of life. The challenge of pushing limits and coming up with new ideas in this profession that is always changing inspires me. Together, let's cooperate and set off on a technologically superior voyage.

TECHNICAL SKILLS

- Python
- Java
- OOP
- HTML
- CSS
- JavaScript
- TypeScript
- node js
- React
- React Native
- Spring Boot
- SQL
- Web socket
- BootStrap
- PHP
- MongoDB
- Express js
- Data Structures & Algorithms

EDUCATION

University of Westminster - IIT

Second year undergraduate currently reading for my degree from Informatics Institute of Technology in BSc in Computer Science affiliated with University of Westminster, United Kingdom.

Key Modules Taken:

- Server Side Wed Development
- Database Systems
- Object Oriented Programming
- Data Structures and Algorithms
- Client Server Architecture

Hindu Ladies College

GCE Advanced Level - A B C

GCE Ordinary Level - 6A 3B

PROFESSIONAL EXPERIENCE

loncey Tech (Summer Intern)   **May 2024 - July 2024**
Web Designer Intern

During my summer internship at Loncey Tech, I demonstrated proactive leadership by actively collaborating with cross functional teams to develop web solutions that enhanced user experience and functionality. Focused on PHP and frontend design, I contributed to building and refining web interfaces that were both visually appealing and technically robust. Through this experience, I honed my skills in teamwork, problem-solving, and technical proficiency, gaining a deeper understanding of web design and development processes in a real-world setting

PROJECTS

1. **MindMend (ongoing)**

MindMend is an AI-powered mobile application designed to support children with autism by providing personalized therapy sessions and an autism severity assessment. The app enables caretakers to evaluate the child's condition, access AI-driven therapy activities, and book online or in-person therapy sessions.

Tech: React Native (Expo), Node.js (Express), Supabase (PostgreSQL), Prisma, Firebase Auth, Docker, OpenAI (Chatbot, TTS), ML (Level Detection).

2. Real-Time Ticketing

A high-performance online ticket booking platform designed to handle concurrent reservations efficiently. It features real-time availability updates, priority-based ticket allocation (VIP/Regular customers), and secure transaction processing. The system is built with **Spring Boot** for a scalable and reliable backend, using **PostgreSQL** for data storage. The **React** frontend ensures a smooth and user-friendly booking experience.

3. Marketing Website (mindmend74.com)

The MindMend74 marketing website is a fast, visually appealing platform that showcases the features and benefits of the MindMend autism support app. Built with **React and Vite** for optimal performance and loading speed.

4. Student Management System

Designed a student progression system in **Python** that validates data, handles files, and visualizes outcomes using histograms. It classifies student progress (Progress, Trailer, Retriever, Excluded) based on credit distribution and verifies IDs for students and staff.

LEADERSHIP SKILLS

IIT
IEEE
- Organizing Committee Member - IO Team (CodeSprint 8)
- Organizing Committee Member - IO Team (Athena)

Cutting Edge
- Organizing Committee Member - PR Team (Cutting Edge)

HLC
President
- Library Union

Secretary
- Tamil Literary Association

REFFERENCES

Mr. Savin Madapatha
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