DEEPA RAJENDRAN

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GFG | LeetCode | GitHub | HackerRank | LinkedIn | Portfolio

Summary

Highly motivated Software Engineer with hands-on internship experience in the industry and a proven track record in building desktop and web applications. Eager to leverage a strong academic background in software engineering to contribute meaningfully to the innovative projects.

Education

Vellore Institute of Technology *Jun 2019 – Jul 2024*
M.Tech (Integrated) Software Engineering **CGPA: 9.13**

Government Girls Higher Secondary School *Jun 2018 – Mar 2019*
Higher Secondary Education **Percentage: 87.8 %**

Government Girls Higher Secondary School *Jun 2016 – Mar 2017*
Secondary Education **Percentage: 97.6 %**

Skills

Programming Languages: Java, C, Python, HTML, CSS, JavaScript

Database: MySQL

Developer tools: VS code, Git, Bitbucket, Jira

Projects

- **Mini-Mart Management System (Java Swing, SQL):** Developed a desktop application to streamline supermarket operations, improving worker information management, product tracking, and automating billing processes. (Link)

- **Travel and Tourism Website (HTML, CSS, JavaScript, PHP, SQL):** Built a user-friendly web application to simplify booking for various tourist destinations. The platform allows users to effortlessly plan and reserve tickets.

- **Bus System (Java Swing, SQL):** Designed an application to enhance child safety during bus travel. Upon ticket issuance for minors, the app automatically emails conductor details to parents, promoting parental awareness. (Link)

- **To-Do List (HTML, CSS, JavaScript):** Created a responsive web-based to-do list application using HTML, CSS, and JavaScript. (Link)

Work Experience

Internship, NXP Semiconductors *Aug 2023 - June 2024*
Firmware Engineer

- Contributed to the development of firmware for an **Ultra-Wide-Band (UWB) - FIRA** system using **C** programming. This project broadened my knowledge of UWB technology and firmware development.
- Worked with diverse systems utilizing industry-standard protocols including **SPI, I2C**, and **UART**, ensuring seamless communication.
- Leveraged strong analytical and **problem-solving** skills to successfully debug and validate complex UWB systems using C programming.
- Applied keen diagnostic and troubleshooting abilities to enhance UWB system performance by resolving critical issues and implementing optimizations.

Achievements

- Solved 200+ problems on Coding Platforms.
- Secured a 100% scholarship at VIT Vellore through the prestigious **'STARS'** scheme from 2019 to 2024.
- Recipient of the National Means Cum-Merit Scholarship **(NMMS)** award, receiving a scholarship valued at over 48,000 INR.
- Achieved the **'School 1st'** position in Higher Secondary Education.
- Attained a 4-star rating in Java and SQL on HackerRank.

Certificates

- **HackerRank (Java,SQL)**