

DEEPA RAJENDRAN

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[LeetCode](#) / [GitHub](#) / [HackerRank](#) / [LinkedIn](#)

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, 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.
- Demonstrated strong analytical and problem-solving skills in UWB systems by effectively troubleshooting issues and optimizing performance.

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 \(Java,SQL\)](#)