

# DEEPA RAJENDRAN

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## Summary

With a solid academic background and valuable internship experience in the industry, there is a strong foundation of knowledge and practical skills. Academic achievements show dedication and ability to do well, while hands-on experience in the industry has given valuable insights and expertise. Ready to use this mix of academic excellence and industry experience to contribute meaningfully in a professional setting.

## Education

### Vellore Institute of Technology

Integrated M.Tech Software Engineering

Jun 2019 – Jul 2024

**CGPA: 9.01**

### Government Girls Higher Secondary School

Higher Secondary Education

Jun 2017 – Mar 2019

**Percentage: 87.8 %**

### Government Girls Higher Secondary School

Secondary Education

Jun 2015 – Mar 2017

**Percentage: 97.6 %**

## Skills

**Languages:** Java, C, HTML, CSS, JavaScript

**Database:** MySQL

**Developer tools:** VS code, Git, Bitbucket

## Project Work

- **Mini-Mart Management System:** Created a desktop application designed to streamline operations for amid-sized supermarket, emphasizing the optimization of worker information management, enhancement of product tracking efficiency, and automation of billing processes.
- **Travel and Tourism Website:** Engineered a user-friendly web application dedicated to simplifying the booking process for various tourist destinations. The application acts as a centralized platform, enabling users to effortlessly plan and reserve tickets for their preferred tourist spots.
- **Bus System:** Created an application to bolster child safety during bus travel by automatically emailing conductor details to parents upon ticket issuance for minors under 18. This proactive approach fosters parental awareness and peace of mind regarding their children's safety throughout their journey.
- **To-Do List:** A simple and responsive web-based to-do list application using HTML, CSS, and JavaScript. The application allows the user to add and delete tasks. ([Link](#))

## Work Experience

### Internship, NXP Semiconductors

Aug 2023 - Jul 2024

#### Firmware Engineer

- Demonstrated strong collaborative skills by actively participating in the development of **UWB**-related features, showcasing effective teamwork and a profound understanding of UWB technology.
- Exhibit adaptability and **problem-solving** abilities through a strong grasp of various applications of UWB technology, such as indoor positioning, asset tracking, and gesture recognition.
- Demonstrate extensive expertise in debugging and validating UWB systems utilizing the **C** programming language.
- Possess strong analytical and problem-solving skills to effectively troubleshoot issues and optimize performance in UWB-based systems.

## Achievements

- Solved 150+ 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 \(Java,SQL\)](#)