

# CHETHANA VIRAJINI



## About Me

Motivated and forward-thinking Engineering graduate embarking on a self-learning journey in software engineering, seeking an engaging position within a dynamic tech environment. Eager to contribute a unique blend of engineering expertise, programming skills to drive innovation and efficiency. Possessing a solid foundation in analytical thinking, problem-solving, and attention to detail cultivated through academic achievements.

## Projects

### E-Commerce Website Development Project

*Technologies - React JS | Material UI | React Bootstrap*

- Designed responsive frontend with React and styling using Material UI and React Bootstrap.
- Integrated user authentication & authorization login/logout functionality, ensuring a protected and reliable user experience using JWT.
- Added features such as product listings, shopping cart functionality, checkout process, and order confirmation.

### E-Commerce Admin Control Panel

*Technologies - React JS | Material UI | React Bootstrap*

- Developed responsive frontend with React.js, Material UI, and React Bootstrap
- Developed CRUD operations for efficient product management, enabling administrators to add, delete, update, and view all products effortlessly.
- Designed admin dashboard offering real-time insights into order details and product statistics.

### Backend Development

*Technologies - Node JS | Express JS | My SQL*

- Designed scalable systems and optimizing MySQL databases.
- Conducted thorough API testing using Postman to ensure reliability and functionality

### Library Management System - Java -ongoing

*Technologies - MVC Architecture | Singleton Design Pattern | JDBC Transaction*

- Creating JavaFX interface for user-friendly interaction.
- Implementing secure backend logic in Java, incorporating MySQL for efficient data management.

### LAMMPS Simulation Project - Final Year Project

- Implemented a comprehensive LAMMPS simulation project focused on interface properties of the graphene electrode electrolyte system. Designed and executed simulations using LAMMPS, customized scripts, and Python for data analysis.
- Achieved number density profile of electrolyte during charging and discharging of supercapacitor.



Linkedin Profile



Github Profile



Medium



Personal Portfolio

## Contact



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No 10, Welsiripura, Madiwela,  
Kotte

## Technical Skills

### Programing Languages

- Java
- JavaScript
- TypeScript
- Python

### Web Technologies

- HTML5
- CSS
- Bootstrap | React Bootstrap
- Material UI
- Tailwind CSS

### LIBRARIES & FRAMEWORKS

- React JS
- Node JS
- Express JS
- Next JS


## DBMS

- MySQL

## SOFTWARES AND RELATED SKILLS

- Git / Github
- Postman
- Unit testing - Junit | JEST
- JIRA

## OTHER SKILLS

- SAP/ERP
  - Data Visualization
  - Machine learning research
- Courseworks 

## EDUCATION

Bachelor of Science of Engineering  
Majors: Material Science & Engineering  
University of Moratuwa  
GPA - 3.31

GCE A/L  
Sirimavo Bandaranaike Vidyalaya - Colombo 07  
Aug 2015 - Physical Science  
2As & 1B - Z-core - 2.1269

## EXPERIENCE

Software Engineering Trainee  
Upview Technologies - **Oct 2023 - Present**

Contributed to UI and feature development using React and Next.js  
Worked with product managers to re-architect web-apps, boosting performances.  
Contributed to the in-house UI library to create reusable components that saved

Software Engineering Trainee  
ACPT - Academy Of Computer Programming And Training- **June 2023 - Oct 2023**

Contributed to Full Stack Web application development & Learning

Technical Executive  
MIDAS Safety Sri Lanka - **July 2021 - Aug-2023**

Developed and streamlined process of NR Gauntlet Production in Robot Plant by reducing rejects from 15% to 1.2% with cycle time improvement by 20 seconds (Six sigma project).

## Certificates

1. **Advanced Professional Web Developer** - ACPT - Academy Of Computer Programming And Training - 2023
2. **Advanced Professional Java Developer** - ACPT - Academy Of Computer Programming And Training - ongoing
3. **Learning Java 11** - LinkedIn Learning - 2023
4. **Learning REST APIs** - LinkedIn Learning - 2023
5. **Test Automation Foundations** - LinkedIn Learning - 2023
6. **Software Development Life Cycle (SDLC)** - LinkedIn Learning - 2023
7. **Agile Software Development** - LinkedIn Learning - 2023
8. **What is Data Science** - Coursera - 2021
9. **Intro to Analytic Thinking, Data Science, and Data Mining** - Coursera - 2021
10. **ISO 45001:2018 Occupational Health and Safety Management systems Internal Auditor Training**

## Extra-curricular

1. Director Environment 2018/19 of Rotaract Club of University of Moratuwa.
2. Director Finance 2019/20 of Rotaract Club of University of Moratuwa.
3. Event Coordinator of ARE YOU READY? 2018. (The Official Career fair of University of Moratuwa.)
4. Co-chairperson of community service projects."SCIWIZ" & "DREAM CRICKET"
5. University Colors Award - 2017/2018 - Basketball.
- 6 Runner Up in the Rotaract Champions League. 2019-Cricket
7. Volunteering - Iron Man 70.3 - 2019.

References are available on request.