

Vignaraj D

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EDUCATION

Coimbatore Institute Of Technology, Coimbatore, Tamilnadu

M.Sc. Software Systems (5-Years Integrated) | CGPA: 8.55 (Till 8th Sem)

2020 - Present

- **Relevant coursework:** Object Oriented programming, Database management system, Data structures and algorithms, Operating systems, Web development, Computer Networks, Cloud Computing.

Bharathiya Vidya Bhavan, Coimbatore, Tamilnadu

HSC (Computer Science, Mathematics) | Percentage: 84%

2018 - 2020

WORK EXPERIENCE

Smartail Pvt. Ltd

Software Engineer Intern

Chennai

June 2023 - November 2023

Tech stack and Tools: Angular, Spring Boot, Python, MongoDB, VS Code, IntelliJ, GitLab, Docker

- Developed Analytics page, Teacher Configuration, Teacher and Student Dashboard for the Student Assessment Mobile Application using Angular, Spring Boot, MongoDB Aggregation which improved the visualization of insight analytics.
- Developed Question view and Student view pages to improve the usability.
- Resolved various bugs in frontend and backend of the system.

ACADEMIC PROJECTS

Grammarly Clone - Chrome Extension

Tools Used : Next.js, Google's Gemini API

May 2024

- Designed and implemented a grammar and spell-check web application, utilizing the Next.js framework to create a seamless user experience.
- Converted the app into a fully functional Chrome extension, allowing users to access grammar and spell-checking features directly in their browser with ease.

Student Attendance Tracker

<https://student-attendance-tracker.vercel.app>

Tools Used : Angular, SpringBoot, MongoDB

January 2024

- A streamlined solution for students to track their attendance across multiple semesters encompassing user authentication, email verification, and mobile responsiveness to ensure secure and accessible attendance tracking
- Designed and implemented an intuitive user interface with graph visualizations, empowering students to analyze attendance trends and make informed decisions to improve academic performance.

Mail Merchant - Mail Service Web Application

<https://mail-merchant.netlify.app>

Tools Used: Flask API, MongoDB, ReactJS

April 2023

- Designed and implemented an email API for seamless integration with website contact forms, ensuring direct delivery of messages to user inboxes.
- Focused on security by incorporating user-friendly account creation and robust password encryption.

Medley - Web Music Player

<https://medley-web.netlify.app>

Tools Used : ReactJS, Shazam API, Geolocation API

November 2022

- Developed a feature-rich music player website using React and Redux, integrating Shazam API for music recognition and geolocation API for location-based content, offering users access to top songs in various genres and regions.
- Implemented intuitive search functionality enabling users to easily discover and play their desired songs, while also providing location-based recommendations to enhance the personalized music experience.

SKILLS

Programming Languages: Python, C, C++, Java

Web-development: HTML, CSS, JavaScript, PHP, ReactJS, Angular, TypeScript, Spring Boot, Flask, Node.js, Express.js, Next.js

Databases: MySQL, MongoDB

Other Tools: Git, GitHub, VS Code, Postman, Figma, Excel, Docker, Google Cloud Platform

CO-CURRICULAR ACTIVITIES

FOSS Club of CIT

Git and GitHub Session - [Link](#)

May 2024

- Handled a session on Git - GitHub basics, imparting knowledge to participants and fostering their understanding of essential concepts.

Intern 101 : Smartail - [Link](#)

Apr 2024

- Shared insights and tips on navigating the internship landscape.

Frontend Hackathon (2nd Prize) - [Link](#)

Mar 2023

- Developed a portfolio website, showcasing my proficiency in Front-end development and Interface design.

JS Query - [Link](#)

Mar 2023

- Handled a session on JavaScript basics, imparting knowledge to participants and fostering their understanding of essential concepts.

CERTIFICATIONS & ACHIEVEMENTS

LeetCode - Earned 50 Days Badge 2024 , Solved 200+ problems

HackerRank

- Secured various certifications like problem solving (basic, intermediate), React (basic).
- 5-Star in Problem Solving, Python, C++.
- Role Certified: Frontend Developer.

freeCodeCamp - Secured a certificate in the topic "Backend Development and APIs".

Coursera - Secured certificates in the topic "Introduction to Git and GitHub" and "Crash Course on Python".