Vignaraj D

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EDUCATION

Coimbatore Institute Of Technology, Coimbatore, Tamilnadu
M.Sc. Software Systems (5-Years Integrated) | CGPA: 8.65 (Till 7th 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   **Chennai**
Software Engineer Intern   *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

Tower of Hanoi - Game   https://tower-of-hanoi-vignu.vercel.app
Tools Used : Next.js, Flask, MongoDB   *July 2024*
- Developed an interactive Tower of Hanoi puzzle game using Next.js, allowing users to solve puzzles with 3 to 10 disks shuffled among three containers.
- Implemented functionality to store and retrieve user scores in a database, with a profile page to display it. Deployed the frontend on Vercel and the backend on Google Cloud App Engine.

Grammarly Clone - Chrome Extension   https://grammarly-clone-vignu.netlify.app/
Tools Used : Next.js, Google's Jemini API   *June 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.

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   *May 2024*
- Handled a session on Git - GitHub basics, imparting knowledge to participants and fostering their understanding of essential concepts.

Intern 101 : Smartail   *Apr 2024*
- Shared insights and tips on navigating the internship landscape.

Frontend Hackathon (2nd Prize)   *Mar 2023*
- Developed a portfolio website, showcasing my proficiency in Front-end development and Interface design.

JS Query   *Mar 2023*
- Handled a session on JavaScript basics, imparting knowledge to participants and fostering their understanding of essential concepts.

CERTIFICATIONS & ACHIEVEMENTS

LeetCode - Successfully completed 100 days of Coding Challenge, Solved 300+ problems
HackerRank
- Secured various certifications like Problem Solving (Basic, Intermediate), Javascript (Basic, Intermediate), CSS (Basic), React (Basic), NodeJS (Basic and Intermediate), SQL (Basic, Intermediate, Advanced).
- 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".
Alison - Basics of Prompt Engineering