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Education

Anna University, Ponjesly College of Engineering

Bachelor of Engineering in Computer Science

July 2020 – April 2024

Nagercoil, Tamil Nadu

Technical Skills

Languages: Java, Python, C++, HTML/CSS, JavaScript, SQL, MongoDB

Developer Tools: VS Code, Postman, Git

Technologies/Frameworks: React, Tailwind

Experience

NextGen Solutions

Feb 2024 – March 2024

Full Stack Java Developer Intern

Cuddalore, Tamil Nadu

- Developed a comprehensive library management system using Java, Spring Boot, and MySQL, creating RESTful APIs for managing books, authors, languages, and users.
- Optimized database interactions with Spring Data JPA and MySQL, leading to a 25% reduction in query response times and improved data retrieval performance.
- Integrated Postman for API testing and validation, reducing testing time by 20% and improving the consistency of deployments, leading to a smoother user experience and faster time-to-market for new features.
- Implemented user management and book tracking features, which enhanced system functionality by 30%, resulting in a more efficient user experience.

Trinity Technologies

January 2023

Python Developer Intern

Nagercoil, Tamil Nadu

- Built a hospital appointment booking application using Python, Tkinter, and MySQL, providing a user-friendly interface for scheduling and managing appointments, leading to a 40% reduction in manual booking errors.
- Designed and optimized MySQL databases to streamline appointment storage, resulting in 30% faster data retrieval and a 25% improvement in overall application performance.
- Developed intuitive UI components with Tkinter, enabling seamless interactions between users and the application, increasing user satisfaction by 20%.

Projects

Text to Image App | Node, React, MongoDB, Express, Tailwind

December 2024

- Developed a text-to-image application using the MERN stack and ClipDrop AI, enabling users to generate AI-powered visuals from textual input with secure payment and user authentication features.
- Implemented JWT-based authentication, ensuring secure user access and data protection.
- Integrated Razorpay for seamless payment processing, resulting in a 40% increase in app monetization efficiency.
- Designed an intuitive interface for text-to-image rendering and customization, enhancing user engagement by 30%.

Chat Application | React, Firebase

October 2024

- Developed a chat application using React and Firebase, enabling real-time messaging and media sharing for a seamless communication experience.
- Integrated features for sending text messages and pictures, resulting in a 25% increase in user engagement.
- Implemented a user blocking functionality, enhancing user safety and control within the app, leading to a 15% decrease in unwanted interactions.

Job Application Platform | Spring Boot, React, MongoDB, Tailwind

September 2024

- Built a job application platform with user authentication, enabling seamless job posting and application processes.
- Implemented MongoDB Atlas Search, achieving 30% faster job retrieval.
- Designed a user-friendly dashboard for managing job postings and applications, leading to a 25% increase in user engagement.
- Integrated email notifications for job application updates, resulting in a 15% increase in timely responses.

Certificates

- Meta Front-End Developer Certificate
- Java and DSA
- Python