SUYASH PANDEY

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Education

Vellore Institute Of Technology,Vellore   Jul 2021 - Jul 2025
Bachelor of Technology in Information Technology   *CGPA:9.00*
Bishop Johnson School and College   Jul 2020
Higher Secondary Certificate   *88.75%*

Experience

Samsung Research Institute, Bangalore   Jan 2023 – Present
PRISM Intern   *Remote*

- Worked with Technologies : **Jupyter Notebook, PyTorch, Hugging Face Transformer for Fine Tuning**.
- Conducted intensive research to achieve State-of-the-Art (SOTA) accuracy for the Image Segmentation Model.
- Teamed with 3 members to conduct monthly meetings and project tracking, achieving more than 90% task completion rate.
- Generated a collaborative coding environment using Git, improving code integration efficiency by 30%.

Projects

MotorMart: An innovative virtual car showroom. Live Code

- Technologies used: **React JS, CSS, Node JS, Express, MongoDB.**
- Designed a mobile-first responsive design with high-quality imagery, achieving a 20% increase in user engagement.
- Developed RESTful APIs using Node.js and Express for seamless interaction with MongoDB, enhancing backend performance and scalability.

Fitmax Gym: A mobile-responsive web application for gym management. Live Code

- Technologies used: **React JS, HTML, CSS, MongoDB, Node JS, Express.**
- Redesigned user experience with a user-friendly interface, resulting in a 15% increase in member retention.
- Created JWT authentication with Admin and User login, ensuring GDPR Security compliance.
- Revamped secure cookie-based storage and organization of user data during login transactions.

Personal Portfolio: Developed a personal portfolio website showcasing projects and skills. Live Code

- Technologies used: **React JS, Material-UI, CSS, MongoDB.**
- Ensured mobile responsiveness using Material-UI's principles, achieving a 85% user satisfaction rating.
- Deployed Docker containerization for the deployment pipeline, significantly enhancing reliability and scalability; reduced deployment issues by 90%.

Achievements

- Qualified AWS Cloud Practitioner, demonstrating proficiency in cloud concepts, AWS services, and basic architectural principles. [Certification]
- Executed a comprehensive MERN Trainee program at Ethnus CodeMithra, mastering MongoDB, Express, React, and Node.js; completed 20+ real-world projects to develop full-stack web applications from scratch.
- Tackled over 700 intricate algorithm and data structure challenges across competitive coding platforms. Achieved a top 35% user ranking, demonstrating strong analytical and coding abilities.
- Attained a highest rating of 1529 on LeetCode, placing among the top 35% of users worldwide, highlighting technical proficiency and commitment to continuous learning.

Technical Skills

Languages: Java, HTML/CSS, JavaScript.
Frameworks/Libraries: React JS, Redux Toolkit, Node JS, Express, MongoDB, MySql, Docker.
Coursework: Computer Networks, Operating System, Database Management, OOPS, Java Fundamentals.