Vivek Sharma

vvivek_be22@thapar.edu / 9416949656 / linkedin.com/in/vivek1224/ github.com/vivekattri01 Portfolio Website

---

SUMMARY
A Computer Engineering student with a strong academic background and hands-on experience in software development, particularly in React.js, Python, and JavaScript. Passionate about solving complex engineering problems in dynamic environments and leveraging technology to innovate in finance and big data.

EDUCATION
Thapar Institute of Engineering and Technology   Patiala, Punjab
B.E. in Computer Engineering with current CGPA of 8.64/10   *September 2022 - Present*
Relevant Course Work: Object Oriented Programming, Operating System, Data Structures, Design and Analysis of Algorithms, Artificial Intelligence, Database Management System, Machine Learning, Linux.

EXPERIENCE / POSITION OF RESPONSIBILITY
Software Engineer Intern   *Honda Motorcycle and Scooter Pvt. Ltd.*   *June* 2024 – August 2024

- Developed a Dynamic Production Monitoring Dashboard: Implemented real-time data analysis and visualization using Python, SQL, and JavaScript to track production metrics and vehicle hold status, resulting in a **20% increase in production efficiency** and **30% improvement in reporting accuracy**.
- Enhanced the Disha Portal by upgrading leave management and attendance reporting features, streamlining processes for employees and managers, resulting in **a 25% reduction in administrative workload.**

Core Member   *Creative Computing Society, TIET*   October 2022 – November 2024
- Mentored 50 students in a week-long, project based React workshop, empowering participants with hands-on experience and practical skills in React js development.
- provided assistance in understanding React concepts, troubleshooting issues, and offering feedback on their project implementations

---

PROJECTS
Imaginify-AI   *Next.js, TypeScript, Tailwind CSS, Clerk, Razorpay, MongoDB, Cloudinary*   Live   Github
- Developed an AI-powered image transformation SaaS app that processes 10K+ images monthly with an average response time of <2 seconds per image
- offering generative fill, image restore, object removal, background removal, and object recoloring.
- Integrated Clerk for secure authentication, managing 100+ new daily sign-ups, and Razorpay to handle $20K+ in transactions monthly with a 98% success rate.
- Implemented a flexible credit system to manage feature usage and purchases with a responsive, visually appealing interface with Tailwind CSS and Shadcn UI components.

Netflix Clone   *React js, Restful APIs, Firebase*   Live   Github
- Developed a web-based platform mirroring the user experience and aesthetics of Netflix, incorporating responsive design principles and interactive features
- Revamped user experience by integrating trailer streaming capability and responsive design features, resulting in a 40% increase in user engagement.

Car-Mecs   *React js, Firebase, Razor pay, Material UI*   Live   Github
- Developed Car-Mecs, a full-stack web application for car servicing and maintenance, featuring React for the frontend, Firebase Authentication for secure login, and Firestore for real-time user and subscription data management.
- Integrated Razor pay payment gateway to enable seamless and secure online transactions, with real-time payment validation and dynamic subscription updates.
- Implemented user-centric features such as subscription management, payment status tracking, and personalized dashboards, ensuring a smooth and efficient user experience.
- Designed a responsive and visually appealing interface using Material-UI, ensuring cross-device compatibility and accessibility.

Skyscanner Front-End Software Engineering virtual experience programme on Forage - April 2024
- Completed a job simulation where I built a web application using React as a front-end engineer at Skyscanner.
- Developed a page for picking a travel date using Skyscanner€™s open-source Backpack React library.
- Customized my application and ran automated tests to ensure it rendered properly.

TECHNICAL SKILLS
Languages: Python, C/C++, Java, JavaScript,
Framework: ReactJS, AngularJS, NextJS, Streamlit, Pandas, OpenCV, NumPy
Back-end: Nodejs, EJS
Databases: PostgreSQL, MySQL, MongoDB
Developer Tools: Git, Docker, Postman, VS Code

ACHIEVEMENTS AND CERTIFICATIONS
Ranked among the top 15 teams at Reckon 5.0 (JIET Jodhpur), demonstrating strong analytical and coding skills in a competitive environment.
Successfully completed Neural Networks and Deep Learning, an online non-credit course by DeepLearning.AI on Coursera.