






Shreyas Yadav

Software Engineer

 Portfolio  GitHub  LinkedIn  Email  4155947919

EXPERIENCE

AMERICAN BUREAU OF SHIPPING |

SOFTWARE ENGINEERING INTERN

January 2023 - May 2023 | Pune, India

- Developed an internal employee rating system used by 400+ employees, reducing performance evaluation processing time by 35%, which improved workflow efficiency and eliminated manual paperwork.
- Engineered REST APIs for the Freedom for Survey project, synchronizing data between Oracle Database and IBM Maximo in real-time, which improved report generation efficiency by 40

STARKTECH VENTURES PVT LTD. |

WEB DEVELOPER INTERN

Oct 2021 - April 2022 | Pune, India

- Redesigned the company website using Laravel and JavaScript, reducing load time by 60%, which boosted user engagement by 25%.
- Integrated a secure payment gateway that processed 500+ transactions monthly, improving conversion rates by 18% and reducing checkout abandonment.

PROJECTS

NETWORK PATH COMPRESSION ANALYSIS SYSTEM | C, WIREFRAME, LINUX

- Developed an end-to-end network compression detection applications by implementing client/server and standalone solutions using raw sockets and UDP packet trains, enabling network engineers to identify compression links with 100 ms precision.
- Engineered a robust network analysis tool by creating multi-phase detection protocols with configurable parameters, resulting in successful compression detection across both cooperative and uncooperative network environments.

WIREFRAME TO CODE | TYPESCRIPT, NEXT.JS, FIREBASE, NEONDB, TAILWIND [LINK](#)

- Engineered a full-stack Wireframe-to-Code application by integrating Firebase authentication and OpenRouter API, resulting in 2 times faster prototype development for users converting design mockups to functional code.
- Architected a responsive AI-powered code generation platform by implementing Tailwind UI components and NeonDB integration, enabling designers to transform wireframes into production-ready code with 60% accuracy.

BACKUP BRAIN (AI CHAT-APP) | PYTHON, FASTAPI, WEBSOCKETS, OPENROUTER, LLM'S [LINK](#)

- Engineered a real-time chat application using FastAPI and WebSocket, enabling 100% context preservation, improving user interaction quality across multiple sessions.
- Developed a context relevance checker, improving conversation quality by 40%, which prompted users to start new chats when the context changed.

HOTEL MANAGEMENT SYSTEM | JAVA/JETTY, MYSQL, VELOCITY, JS [LINK](#)

- Developed a full-stack hotel review platform with Java and JavaScript, reducing query response time by 30% and improving user experience through faster search and review management.
- Implemented dynamic AJAX updates, reducing page load times by 50% and significantly enhancing interactivity for high-traffic features such as review submissions.

AIRBNB CLONE | JAVASCRIPT, REACT, MONGODB, EXPRESS.JS, NODE.JS [LINK](#)

- Implemented secure user authentication using the MERN stack, increasing profile security by 100% and improving user registration and login processes.
- Designed an intuitive property listing system with advanced search functionality, improving user search precision by 60%, which reduced time-to-booking by 25%.

SKILLS

PROGRAMMING

Proficient:

Java, Python, SQL, Javascript, C++, Shell Scripting, C

LIBRARIES/Frameworks

React, jQuery, Node.js, Spring Boot, Laravel, Next.js, Bootstrap, Tailwind, React Native, FastAPI

TOOLS/PLATFORMS

AWS, Firebase, MongoDB, Docker, Vercel, Render, Git, Maven, Openrouter, Agile, Postman, Google Notebook

EDUCATION

UNIVERSITY OF SAN FRANCISCO

MS COMPUTER SCIENCE

Aug 2024 - Present | San Francisco, CA

RIT, SHIVAJI UNIVERSITY

B.TECH COMPUTER ENGINEERING

2019-2023 | Maharashtra, India

COURSE WORK

Data Structures
Algorithms
Generative AI
Machine Learning
Operating Systems (Linux)
Computer Networking
Software Development

AWARD

RISING STAR

NATIONAL UNIVERSITY OF

KAOHSIUNG, TAIWAN

2021

Awarded for developing an innovative floor-cleaning machine prototype designed to conserve water and electricity.

EXTRACURRICULAR

HACKATHON COMMITTEE HEAD 2022

HACKATHON COMMITTEE HEAD:
MANAGED END-TO-END PLANNING, INCLUDING LOGISTICS, SPONSORSHIPS, AND TECHNICAL SETUP, DEMONSTRATING STRONG PROJECT MANAGEMENT AND LEADERSHIP SKILLS.