

Shreyas Patange

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Education

University of Mumbai

Bachelor of Science in Computer Science (GPA: 9.30 / 10.00)

2020-2024

Thane, Maharashtra

Experience

Heliverse Technologies

Full Stack Developer

Dec 2023 – Present

Remote

- Optimized the frontend design for a Chatbot using React and created interactive dashboards with Material-UI (MUI) and Tailwind.
- Architected a robust backend system for HRMS(Human Resource Management System) creating dynamic shift management, biometric attendance, and automated salary calculations using NestJS, Prisma, and PostgreSQL.
- Led the development of a serverless microarchitecture with AWS Lambda, incorporating indexed DynamoDB and deploying with an industry-standard Nx monorepo and the Serverless Framework for CloudFront.
- Implemented task and shift generation for multiple days, akin to Google Calendar, with real-time in-app notifications via WebSocket.
- Developed CI/CD pipelines using GitHub Actions and Docker scripts for deployment on a VPS, and established monitoring with Grafana and Prometheus.

Projects

Gor: Programming Language | Go, Gin, React.js

- Developed an interpreted programming language from scratch using Golang, including a command-line interface (CLI).
- Designed and implemented a demonstration website using React and the Gin framework, managing parallel requests and showcasing output and abstract syntax tree views.

GeoQuiz | React.js, Redux, Supabase, TypeScript, Sockets

- Created a gamified website using ReactJS, Google Maps Street View API, and Supabase (PostgreSQL) for playing street view guessing games with friends.
- Implemented a multiplayer mode with real-time chat using sockets and managed street view coordinates in an SQL database, allowing users to guess locations.
- Developed a complete client-side application.

Study Notion | MERN Stack, Tailwind, TypeScript

- Developed a clone website similar to Udemy, where instructors can create and sell courses.
- Integrated a payment gateway using Razorpay, allowing students to enroll in courses and track their progress.

Silicon Pulse Store | MERN Stack, Bootstrap, JavaScript

- Developed an online computer e-commerce store leveraging the MERN stack and a minimal UI using Bootstrap and Tailwind.
- Implemented backend functionality with MongoDB Atlas for seamless integration with a NoSQL database.
- Integrated the Razorpay payment gateway API to facilitate secure purchases.

Technical Skills

Languages: C, C++, JavaScript/TypeScript, Go, Python, HTML, CSS, JSON/YML

Frameworks & Technologies: React.js, Next.js, Express.js, NestJS, Django, Flask, FastAPI, Tailwind CSS, Node.js, Electron, Linux, AWS, Docker, K8s, Lambda

Databases: PostgreSQL, MySQL, MongoDB, DynamoDB

Familiar: Java, C#, Spring Boot, .NET, Rust, Lua

Concepts: Data Structures and Algorithms, OOP, Operating System, DBMS, Computer Networks, LLD, HLD