

Zaheen Khan

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📍 Jaipur, India

EDUCATION

B.Tech Electronics and Communication Engineering

MIT World Peace University

2020 – 2024 | Pune, India

CGPA - **8.94/10**

PROJECTS

Portfolio vs NIFTY

JAVA, Spring Boot, Gson, React.js, Apache POI
Feb 2025

- Developed a full-stack portfolio analysis tool using **Spring Boot** and **React.js** to compare a custom portfolio's performance against the **NIFTYBEES** ETF.
- Parsed and processed **thousands** of Excel trade records using **Apache POI** for real-time portfolio simulations and data visualization.
- Integrated **Alpha Vantage API** for stock price retrieval, optimizing requests with **OkHttpClient**, reducing API call latency by **~40%**, and ensuring accurate market data.
- Designed a scalable, modular backend architecture with **RESTful APIs** and dependency injection, providing a robust foundation for future enhancements.
- Built an **interactive React-based** dashboard with interactive charts and benchmarks.

User Login Interface

ExpressJs, ReactJs, MongoDB, JWT
Dec 2024

- Published reusable authentication packages (*uli-auth-backend*, *uli-auth-frontend*) on **NPM**, enabling developers to integrate secure user login in **under 5 minutes**.
- Built a modular **Express.js** backend with **JWT authentication**, **Bcrypt.js password hashing**, and OTP verification (**Nodemailer**), which is configurable for any project.
- Created a plug-and-play **React.js** login component with form validation, allowing seamless integration into existing UIs with a simple import.
- Optimized security & performance, reducing authentication response time by **~30%**, ensuring encrypted user data storage, and preventing common vulnerabilities.

PROFESSIONAL EXPERIENCE

Backend Development Intern

Redrob by McKinley Rice

Jan 2024 – Jun 2024 | Pune, India

- Implemented chat module APIs using **NestJS** and **PrismaORM** with advanced filtering, reducing query response time by **30%** for thousands of users.
- Developed job module APIs with **Kanban board** logic using **MongoDB aggregation**, enhancing visibility for **10,000+** job applications monthly.
- Achieved **100%** automated **test coverage** through comprehensive **unit** and **integration** testing.
- Documented API architecture via **Swagger**; authored and executed **50+** test cases to validate functionality.
- Proactively optimized existing schemas and APIs, increasing system efficiency by **20%**.
- Collaborated cross-functionally with **frontend** and **QA** teams using **GitHub** Projects and **Agile** methodology.

SKILLS

Languages & Frameworks: Java, JavaScript, TypeScript, Node.js, NestJS, ReactJS, Express.js, Python, C++

Databases: MongoDB, PrismaORM, Mongoose, SQL, NoSQL, PostgreSQL, S3

Tools & Practices: Git, GitHub, REST APIs, Swagger, Docker, Agile, CI/CD, Debugging, Logging, Jira, Unit Testing, Integration Testing, Postman

Web Technologies: HTML, CSS, JWT, Bcrypt.js, OTP verification, API Integrations

EXTRA-CURRICULAR ACTIVITIES

Co-Organizer - SUMMIT

National Level Sports Meet, MIT-WPU
2023 – 2024

Lead Photographer

ShutterBugs - Official Media Club of MIT-WPU
2022 – 2024

Co-Founder - SMUN

Model United Nations at Sanskar School
2019