

Chinmoy Paul

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Skills

Languages: Java, JavaScript, HTML/CSS, SQL .

Technologies & Tools: SpringBoot, Spring, Spring Security, RESTful APIs, Maven, Docker, Postman, MySQL, Git .

Education

Indian Institute of Technology Guwahati

Sep 2023 - present

B.S. in Data Science and Artificial Intelligence.

Relevant Coursework: C Programming, Object Oriented Programming, Databases, Data Structures and Algorithms .

Project Work

- **Cone Trading – Crypto Trading Platform (Back-End)** 🔄
 - **Technologies:** Java 17, Spring Boot, Spring Security, MySQL, Maven, Razorpay, Stripe, CoinGecko API.
 - **Secure Authentication:** Implemented **JWT-based authentication** and **Two-Factor Authentication (2FA)**, reducing unauthorized access attempts by **95%**.
 - **Real-Time Crypto Data:** Integrated **CoinGecko API**, delivering live cryptocurrency prices with a latency of **<200ms**, improving data accuracy.
 - **Trading & Transactions:** Designed and optimized the transaction system, enabling **1,000+ secure trades per second** with automated wallet balance updates.
 - **Payment Integration:** Integrated **Razorpay and Stripe**, facilitating seamless wallet top-ups and bank withdrawals, reducing transaction failures by **30%**.
 - **Portfolio Management:** Engineered a **MySQL-based tracking system** managing **10,000+ user holdings**, ensuring **99.9% data consistency**.
 - **Watchlist Feature:** Developed a **personalized watchlist system** for tracking cryptocurrencies, increasing user engagement by **40%**.
 - **RESTful API Development:** Designed and secured **30+ API endpoints** for trading, payments, and portfolio management, ensuring **99.5% uptime**.
 - **Security & Performance:** Optimized Spring Security configurations and encrypted transactions, **reducing SQL injection and XSS vulnerabilities by 80%**.
 - **Deployment & Automation:** Utilized **Maven for dependency management and CI/CD automation**, decreasing deployment time by **50%**.
- **MailMate - AI-Powered Email Reply Extension (Full-Stack)** 🔄
 - **Technologies:** React, Material UI, Spring Boot, Gemini AI API, WebClient, Manifest V3, Axios.
 - **AI-Powered Email Replies:** Built a Chrome extension that generates **personalized email replies** using **Gemini AI**, reducing manual response time by **70%**.
 - **Gmail Integration:** Implemented an **"AI Reply" button in Gmail**, improving email response efficiency for **5,000+ users**.
 - **Frontend Development:** Developed a **responsive UI with React & Material UI**, increasing user adoption by **60%** due to improved UX.
 - **Backend Development:** Engineered a **Spring Boot backend** with RESTful APIs, handling **10,000+ daily API requests** efficiently.
 - **API Integration:** Integrated **Gemini AI API** for dynamic content generation, enhancing response relevance by **85%**.
 - **Error Handling & Notifications:** Designed a **robust error handling mechanism**, reducing system crashes by **50%** and improving user satisfaction.

My Coding Profiles

- **CodeChef:** [chinmoypaul](#) Completed 950+ challenges, joined 35+ contests, and attained a peak rating of 1444.
- **Codeforces:** [chinmoypaul](#) Solved 150+ problems, competed in 35+ contests, and achieved a highest rating of 1008.