RAJKUMAR VARSANI

📞 +918264132379 ✉ varasaniraj5@gmail.com in /varsani-raj ○ /rajvarsani 🌐 /rajvarsani </> leetcode </> codeforces

Education

Indian Institute of Information Technology, Gwalior   2020 − 2025
Integrated Bachelors and Masters in Information Technology   *Gwalior, India*

Experience

Software Engineer Intern   Nov 2024 − Present
CRED ↗ | *Member-only Credit Card & Rewards Platform*   *Bengaluru, India*
- Engineered the **User-to-User Gifting and Reignite** features using **React** and **TypeScript** in webviews, creating seamless experiences that successfully reactivated **Dormant Users**, enhancing platform engagement and improving user retention.
- Architected comprehensive **Internal Dashboard Tools** using **Next.js**, **Zustand**, **Tailwind**, and **Micro Frontends**, streamlining campaign management workflows and enabling efficient monitoring through automated reporting capabilities.
- Developed an interactive **Spin Reward Game** for brand collaborations with major companies like **McDonald's** and **Flipkart**, increasing user engagement metrics and strengthening strategic partnerships through gamified promotional experiences.

Software Engineer Intern   Feb 2024 − August 2024
Groww ↗ | *India's Premier Investment Platform*   *Bengaluru, India*
- Led the end-to-end development of **Payments Web SDK**, overseeing everything from **Architectural Design** to **Final Testing and Deployment**. This project substantially improved the **Payment Experience** for millions, offering a more stable solution.
- Developed dynamic **Routing** and **Scheduling** for **Payment Gateways**, optimizing traffic management during high-traffic scenarios and significantly reducing system downtimes by **Directing Traffic** to alternative providers.
- Utilized a modern tech stack including **TypeScript**, **React**, and **Zustand** to build scalable and efficient solutions.

Fullstack Developer Intern   Feb 2022 − Jan 2024
KoinX ↗ | *$1.5M - Seed*   *Remote*
- Engineered the **Accounting** and **CA platforms**, specifically designed for **Cryptocurrency Transactions**, from concept to deployment. Leveraged a robust tech stack including **Node.js, MongoDB, Docker, Nats, Express, and React.js**. Implemented several **B2B Integrations** that facilitated customer acquisition, enhancing platforms' utility.
- Established robust and efficient microservices through the use of automated tools, including **AWS** services like **SES**, **SNS**, and **S3**, along with **Cron** and **Socket.io** for enhanced scheduling and real-time communication
- Integrated **Prometheus Metrics** for system **Performance Monitoring** and developed a microservice using **GitHub Actions** and **Octokit** to synchronize common code across multiple GitHub repositories, ensuring code consistency.

Projects

Phalanx - API Security and Monitoring Framework | *NodeJS, TypeScript, NextJS, gRPC, Azure*   🔗 | **Sept 2023**
- Submission that secured my team **Second Runner Up** position in **Flipkart GRiD 6.0** among **17,000+** participants.
- Developed a **Tree-Based Route Structure** for **Real-Time API Discovery** and Management, and provided a highly Customizable **Rules Configuration** to protect against **OWASP Top 10 Vulnerabilities** such as **Broken Auth**.
- Enhanced security analysis with **LLM-Powered Monitoring** and **RAG Analysis** for external API consumption, and **Dynamic Data Population** with Regex Support to automate and secure **API request generation**.
- Integrated an architecture with 8 microservices using **NodeJS**, **gRPC**, and **MongoDB**, including components like Scout for comprehensive Automatic and On-Demand Vulnerability Scanning for configured rules, and Sysmon.

Dresstination | *Go, Gin, Firebase, Gemini, Flutter, AWS*   🔗 | **July 2023**
- Integrated 2 different **Generative AI** technologies - **Gemini** and **DALL-E** to architect **Fashion Advisory Mobile App** producing dynamic fashion content and respective AI generated suggestions based on user's needs.
- Developed a multi-threaded backend using **Go**, **Gin** and **Firebase** ensuring fast data handling and scalability on **AWS**.
- Crafted user interfaces using **Figma**, utilized **Flutter** and **Dart** for front-end development, ensuring a **Cross Platform** support and well thought user experience that integrates real-time AI-generated content intuitively.

Achievements

3rd Position in **Flipkart GRiD 6.0**	**Finalist [Top 0.5%]** in **Code with Cisco 2024**
4rd Position in **Rakathon 2024**	**1st Position** in **DSC-IIITM Android Hackathon**
2nd Position in **Smart India Hackathon 2022**	**3rd Position** in **HackStack Hackathon**
1st Position in **Wix DevCon Hackathon 2022**	**2nd Position** in **Hack-A-sol 2.0 Hackathon**
Top 5 Teams in **Razorpay FTX Hackathon**	**3rd Position** in **Cuvette Codocatober Hackathon**

Technical Skills

Languages: TypeScript, JavaScript, Go, Solidity, Java, C++, C, Kotlin, Dart
Technologies/Frameworks: React, Next.js, Express.js, Gin, Node, Angular, Spring Boot, Flutter, Nats, Jest, AWS, Git
Database Systems: MongoDB, Redis, PostgreSQL, MariaDB, Firebase