# Rahul Sharma

*Mohali, Punjab, India*

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## Education

**Punjab Engineering College (Deemed to be University)**                         *Chandigarh, India*
B.Tech - Electronics and Communication Engineering   |   CGPA - 7.73                         *Dec 2020 - Jun 2024*

## Work Experience

**ZS Associates**                         *Gurugram, Haryana*
Business Technology Solutions Associate                         *Jun 2024 - Present*

- Analyzed complex **PowerBI** reports and converted them into **Tableau** dashboards for an American multinational biopharmaceutical company, ensuring alignment with client requirements.
- Worked in the reporting team to develop complex Tableau reports while maintaining **data consistency** and accuracy with PowerBI outputs.
- Performed **end-to-end unit testing** and conducted **Root Cause Analysis** using **DataBricks** and **SQL** to ensure **data integrity**.

**StockBets**                         *Chandigarh*
Co-founder & CTO                         *Jul 2023 - May 2024*

- Developed StockBets' AI-driven stock trading platform, building the frontend with **React**, **Firebase**, and **Socket** and the backend using **NodeJS**, **Express**, **MongoDB**, and **Socket.IO**.
- Built **StockBetsAI**, a chatbot using **Python** and **Flask**, integrating **live market data** and **news APIs** for **stock analysis**.
- Managed deployment pipelines with **GitHub Actions** and published applications on **AWS EC2** with multi-service support using **nginx**.
- Led a team of 6 to deliver features like a **dynamic admin dashboard** and prototype a **WhatsApp bot**.

**XEAM VENTURES Pvt. Ltd.**                         *Mohali, Punjab*
Web Developer                         *Jan 2023 - May 2023*

- Led development of a **React Native** food delivery app with **Redux Toolkit** and **Firebase**, boosting client order volume by **25%**.
- Utilized **TypeScript** to enhance code reliability and maintainability for the app, contributing to a **15%** decrease in debugging time.
- Leveraged **Next.js** and **Tailwind CSS** to create a highly responsive company website, incorporating Progressive Web Application techniques for prefetching, which resulted in a **40%** improvement in loading time.

## Projects

**Stock Watchlist**                         *Jan 2022 - Present*
PEC ACM Student Chapter

- Developed and maintained the "Stock Watchlist" **React Native** mobile application that enables users to track and monitor stocks in real-time.
- Demonstrated effective collaboration and leadership skills by reviewing and merging **28 pull requests**, responding to **39 issues**, and providing guidance to contributors, resulting in an enhanced product and a more efficient development process.
- Maintained high standards of code quality and completeness through regular code reviews, ensuring the delivery of a robust and reliable application, which led to a **15% decrease** in post-launch issues.

## Position Of Responsibility

**Open Source Lead Maintainer**                         *Sep 2021 - Present*
PEC ACM Student Chapter

- Led the **Open Source Society** of the ACM Student Chapter, making significant contributions to the development and evolution of the PEC ACM CSS Open Source Repo, leading to a **30% increase** in repository activity.
- Demonstrated strong collaboration and leadership skills by reviewing and merging **78 pull requests**, as well as creating **45**, providing valuable guidance and support to contributors, resulting in an enhanced product and a more efficient development process.
- Acted as a **mentor** for multiple teams during the ideathon conducted by ACM, providing insights and guidance that contributed to a high-performing, collaborative learning environment.

## Skills

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| **Programming Languages** | C++, Python, JavaScript, TypeScript, Data Structures |
| **Front-end Development** | ReactJS, AngularJS, NextJS, Redux, React Native, HTML, CSS, PWA |
| **Back-end Development** | Node.js, Express.js, Flask |
| **Database Management** | Firebase, MongoDB |
| **DevOps & Deployment** | CI/CD pipelines (GitHub Actions), AWS EC2, Netlify, nginx, apache |
| **AI & Machine Learning Tools** | OpenAI APIs, chatbot development with Python and Flask |
| **Version Control** | Git |