

Parth Bajaj

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PROFILE

Computer Science undergraduate and **Full Stack Developer** with strong experience in Android and web application development. Skilled in building scalable apps using **Next.js, React, Node.js, Kotlin, and cloud services**. Published applications on Google Play and delivered impactful projects with measurable outcomes, from geospatial data analysis to rental platforms and e-commerce.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Kotlin, Java, Python
Frontend: React.js, Next.js, Tailwind CSS, Redux, Material UI
Backend: Node.js, Express.js, REST APIs, MongoDB, PostgreSQL, Firebase
Android Development: Kotlin, MVVM, Jetpack (ViewModel, LiveData, Room), Coroutines
Cloud/Tools: Git, GitHub Actions, Google Cloud, Docker, Vercel, Google Play Console
Other: Data Visualization (Mapbox, Leaflet), Authentication (OAuth, JWT, Firebase Auth)

EXPERIENCE

Junior Developer Intern – Krsh Welfare Foundation Jul 2025 – Aug 2025
AI Chatbot Systems Remote

- Built and deployed a secure, RAG-based chatbot, optimized token usage by 20%.
- Embedded Chatbot available on ISKCON Gurugram website [🔗](#), serving live production users.
- Created API documentation and improved prompt workflows, enhancing response accuracy by 15%.
- Collaborated in agile sprints, ensuring timely delivery of scalable features.

PROJECTS

Chain of Thought Geospatial Analyzer | *Next.js, Mapbox, Node.js, Python* Jul 2025

- Developed a full-stack web app integrating geospatial data visualization with AI-driven analysis.
- Implemented interactive mapping using Mapbox and Leaflet, enabling users to analyze spatial patterns effectively.
- Built a REST API backend with Node.js and Python for handling large geospatial datasets, reducing query latency by 35%.
- Enhanced decision-making by providing AI-assisted spatial insights through Chain of Thought reasoning.

AI Extension for VS Code | *TypeScript, Node.js, OpenAI API* May 2025

- Created a custom VS Code extension powered by LLMs (Gemini Pro, Mistral, OpenAI) to provide intelligent coding assistance.
- Integrated error detection, and documentation lookup, improving developer productivity by 25%.

Cosmic Jewels | *Kotlin, MVVM, Coroutines, Google Play* Jan 2025

- Published a jewelry e-commerce Android app on Google Play, allowing users to browse, purchase, and manage products.
- Optimized performance with coroutines and Room database, reducing crashes and improving load speed by 30%.
- Implemented secure checkout, streamlined navigation, and polished UI, increasing user retention by 15%.
- Managed complete app lifecycle on Play Console, including versioning, app signing, and deployment.

Property Paradise | *Next.js, Firebase, Tailwind CSS* Apr 2024

- Built a modern rental platform where users can browse, list, and manage properties with Google authentication.
- Implemented property search, filtering, and responsive UI using Next.js and Tailwind CSS.
- Integrated Firebase for authentication and real-time data handling, ensuring seamless user experience.
- Deployed on Vercel with CI/CD pipelines, achieving a highly scalable and production-ready solution.

EDUCATION

Maharaja Agrasen Institute of Technology (GGSIPU) <i>B.Tech in Computer Science and Engineering — CGPA: 8.5/10</i>	Delhi, India <i>Sept 2022 – Jul 2026</i>
St. Mark’s Senior Secondary School <i>CBSE Class XII — 94%</i>	Delhi, India <i>Apr 2010 – Mar 2022</i>

CERTIFICATIONS & ACHIEVEMENTS

- 3rd Prize at *Pitch Your Idea 2.0* for innovative mobile app development.
- Published *Cosmic Jewels*, a commercial Android e-commerce app on Google Play.
- Developed a VS Code AI Extension boosting developer productivity by 25%.
- Solved 600+ DSA problems across LeetCode, Codeforces, and GeeksforGeeks.