Rupesh Kumar Singh

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Summary

Full-stack Software Engineer with experience in NextJs, Node.js, ASP.NET, and AWS. Currently a Software Engineer at CHUBB, Bangalore, working on large-scale insurance infrastructure. Built and scaled Fundizr.com to **60K+ monthly active users**.

Experience

Software Engineer — *CHUBB* — Bangalore, India *Aug 2026 – Present*

- Led enhancements to **PolicyView**, supporting the archival of **2M+ documents weekly** and improving large-scale document management workflows.
- Developed an automated re-archival framework for failed document policies, significantly improving archival success rates and reducing manual operations.
- Built an **AI-powered observability agent** leveraging **Dynatrace** logs and telemetry to analyze production errors, accelerate root-cause analysis, and improve incident resolution efficiency.

Software Engineer Intern — *CHUBB* — Bangalore, India *Jan 2026 – Jul 2026*

- Developed document archival and retrieval features in **PolicyView**, a large-scale insurance platform serving high-volume policy document workflows.
- Refactored legacy **ASP.NET** services and enhanced **Angular** applications, improving maintainability and system performance.
- Automated **CI/CD** processes and contributed to **SRE** initiatives including monitoring, alerting, and production support.

Software Engineer Intern — *StemTec Robotics* — Chennai, India *Sept 2024 – Nov 2024*

- Built and deployed a fully responsive Robotics & IoT website, improving mobile usability by **35%**.
- Reduced page load time from **4s to 1.5s** through performance optimizations, improving conversion rates.

Projects

Fundizr.com — Startup Funding Discovery Platform *Live Link*

- Scaled to **60K+ monthly active users**; backend handles real-time funding updates with high reliability.
- Built a **prompt-to-investor matching engine** using embeddings and vector similarity search (pgvector) to surface relevant investors from startup ideas.
- **Stack:** Next.js, Node.js, Express, PostgreSQL (pgvector), MongoDB, Tailwind CSS, TypeScript, AWS Serverless

AI Flashcard Generator *GitHub* | *Live*

- Generates dynamic Q&A flashcard sets from any user topic in **under 3 seconds** using the Google Gemini API.
- Built interactive flip-card UI in React, increasing average session engagement by **40%** in usability testing.
- **Stack:** Next.js, React, Tailwind CSS, TypeScript, Google Gemini API, MongoDB, AWS Serverless

CompareCode *GitHub* | *Live*

- Web app that visualizes and compares coding activity (LeetCode + GitHub) for any two users with shareable result graphs.
- Optimized external API calls to reduce data retrieval latency; added Twitter share and graph download features.
- **Stack:** React, Node.js, Express, TypeScript, Tailwind CSS, MongoDB, AWS Serverless

Technologies & Skills

Languages: C++, Java, JavaScript, TypeScript, Python, SQL
Libraries: React.js, Next.js, Angular, Tailwind CSS, Node.js, Express.js, FastAPI, ASP.NET
DevOps & Cloud: AWS (EC2, S3, Lambda), Docker, Firebase, CI/CD

Education

Vellore Institute of Technology — B.Tech, Computer Science and Engineering — *Sept 2022 – April 2026*
GPA: **8.71/10.0**

Achievements

- Solved **400+ problems** on LeetCode, Codeforces, GeeksforGeeks, and HackerRank.
- Developed **10+ projects** from prototypes to production apps with real users — rupeshsingh.com.