

Aman Singh Rawat

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SUMMARY

Software Developer with a track record of delivering **scalable backend systems** and reducing **operational costs by 65%** at **Amazon**. Proficient in **cloud-native microservices**, **REST API architecture**, and **full-stack development** using **React.js**, **Node.js**, and **AWS**. Collaborated with **Siemens** and **GeoSolutions** to build high-impact solutions in defense, analytics, and distributed systems.

EXPERIENCE

Amazon | [Certificate](#)

Jan 2025 – Jun 2025

SDE Intern (Java, DevOps, Microservices, System Design, Code Review)

Bangalore, India

- Developed a **Java-based data/document difference evaluator**, reducing verification overhead by **65%** and saving **\$80/sec** in operational costs.
- Implemented **region-aware DB routing** in microservices, improving workflow consistency across global seller pipelines.
- Migrated legacy modules to **Java microservices** leveraging **AWS Lambda**, **SQS**, **SNS**, enhancing system resilience and gaining hands-on experience with **Docker** and CI/CD pipelines; additionally, developed a **Carnival monitor** to track **baketime metrics post-deployment**.
- Led **end-to-end testing cycles** and built **real-time metric dashboards**, improving visibility and reducing verification errors by 40%.
- Authored **API documentation** and created **operational runbooks** to streamline onboarding and improve troubleshooting efficiency.

GeoSolutions India | [Certificate](#)

Sep 2024 – Dec 2024

SDE Intern (React.js, Node.js, Typescript WebGIS, Geospatial Visualization and manipulation,)

Gurugram, India

- Led a high-revenue **WebGIS project** for defense applications, driving a **25% increase in contract revenue** through advanced **2D/3D visualizations** using **CesiumJS** and **OpenLayers**.
- Handled large-scale geospatial data (vector/raster) with proficiency in **WMS**, **WFS**, **WFS-T**, **WCS** standards, enabling real-time tactical overlays and mission-critical analytics.
- Documented **integration workflows** and created reusable API playbooks for future GIS deployments.

Siemens | [Certificate](#)

Aug 2024 – Sep 2024

SDE Intern (Python Automation)

Gurugram, India

- Optimized **data ETL workflows** using Python, reducing cloud sync times by **80%**.
- Automated business reporting via **PowerBI integrations**, cutting manual effort by **75%**.
- Documented automation scripts and created **process standardization guides** for reporting pipelines.

KEY PROJECTS

Activity Tracker (Chrome Extension) | *React.js, Ruby on Rails, MongoDB* | [GitRepo](#) | [Demo](#)

- Built a Chrome extension to monitor site visits, enforce usage-based timeouts, and block distractions via redirect rules.
- Developed backend in Rails with REST APIs and stored user activity data in local storage.

My Developer Portfolio | *React.js, React Bootstrap* | [GitRepo](#) | [Live](#)

- Developed a responsive personal portfolio with SEO best practices, achieving a **95+ Google Lighthouse score** on performance and accessibility.

WorkOrbit | *React.js, Vite, Typescript, Node.js, Tailwind, PostgreSQL, Redis* | [GitRepo](#)

- Developing WorkOrbit, a web platform for efficient task tracking and workspace management.
- Implemented OTP login, email triggers, workspace-user mapping, and task hierarchy in backend.
- UI under development focusing on responsive multi-tenant workflows and role-based permissions architecture.

EDUCATION

Maharaja Agrasen Institute of Technology, Delhi

2021 – 2025

B.Tech in Computer Science and Technology (Minor in AIML)

CGPA: 8.8

TECHNICAL SKILLS

Languages: C++, Java, JavaScript, TypeScript, Python

Web Technologies: React.js, Next.js, Redux, TailwindCSS, Rails, Node.js

Cloud & DevOps: AWS, GitHub Actions, CI/CD

Databases: PostgreSQL, MongoDB, DynamoDB

Testing Stack: Kotlin, Groovy

Core Concepts: OOPs, DSA, OS, Agile, Git

WebGIS: CesiumJS, OpenLayers, GeoServer

ACHIEVEMENTS

Cleared 3 rounds of **Amazon Hackathon**, securing an **SDE Intern interview** at Amazon.

Winner, **Coding Ninja Secret Cipher** among 200+ competitors.

Solved **180+ LeetCode problems**, with strong grasp of graph algorithms.