

AMAN SINGH RAWAT

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Education

Maharaja Agrasen Institute of Technology, Delhi

2021 – 2025

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

CGPA: 8.8

Work Experience

Amazon

Jan 2025 – Jun 2025

SDE Intern

Bangalore, India

- Optimized seller verification flow by building a **data and document level difference checker** to avoid redundant checks, cutting **65%** of unnecessary verifications and saving **\$60/sec** in third-party and **\$20/sec** in manual validation costs.
- Fixed **cross-region verification mismatches** by adding logic to fetch vendor-specific results from the database based on region constraints, ensuring only valid verifications were reused and improving accuracy across seller workflows.
- Deprecated a **legacy service** by redesigning the flow with **AWS SNS and Lambda**, enabling direct service communication and removing the deprecated service.
- Led **end-to-end testing**, covering key flows and edge cases and set up **dashboards** to track real impact and shared results through demos with stakeholders.

GeoSolutions India

Sep 2024 – Dec 2024

SDE Intern

Gurugram, India

- Led a high-revenue **WebGIS project**, increasing revenue by **25%** through expert handling of **geospatial data** (vector/raster) and advanced **2D/3D visualizations** using **Cesium** and **Openlayers**.
- Proficient in **WMS, WFS, WFS-T, WCS**, providing **Problem Solving** expertise and delivering innovative solutions for **₹ 5+ crore defense project**.

Siemens

Aug 2024 – Sep 2024

SDE Intern

Gurugram, India

- Worked extensively with **Siemens software** including **Mendix** and **COMOS** to develop and enhance functionalities like **Data Cloud landing page** and **Python code optimization**.
- Implemented features like **email triggering**, **API integration**, and contributed to **PowerBI projects**, resulting in **75%** reduction in manual work.
- Maintained and optimized **databases**, achieving **80%** improvement in efficiency.

Projects

Activity-Tracker (Chrome Extension) | *React.js, Ruby On Rails*

- Developed a **Chrome extension** to track **website usage** in real-time, highlighting **time-consuming activities**.
- Enabled users to restrict **distracting sites**, set **usage limits**, and improve **productivity**.

Plant Disease Prediction | *React.js, Python, AIML*

- Developed an **AI-powered plant disease detection platform** using **Convolutional Neural Networks (CNN)** with **3 ensemble models** trained on **86.5GB** of plant disease data.
- Achieved **100% accuracy** in disease identification and delivered precise **diagnostic results** for agricultural applications.

Technical Skills

Programming Languages: C++, Java, JavaScript, Python, Groovy, Kotlin

Core Skills: OOPs, Data Structures & Algorithms, DBMS, OS, Computer Networks, Data Warehouse & Data Mining

Web Development: React.js, Redux, Ruby On Rails, WordPress, PHP, PostgreSQL

WebGIS Technologies: WebGIS, GeoServer, CesiumJS, KeplerGL, MapBox, Openlayers, Geospatial Data

Cloud & DevOps: AWS, CI/CD Pipelines

Achievements

Cleared **3 competitive rounds** in **HackOn with Amazon**, earning an **internship opportunity**.

1st position in **Coding Ninja's Secret Cipher** competition

Solved **170+** coding problems on **LeetCode**