

# Lakshya Garg

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## SUMMARY

Computer Science undergraduate (B.Tech, CGPA 9.16/10, graduating 2027) with hands-on experience building scalable full-stack applications, AI-driven platforms, and cloud-native deployments. Proficient in C++, Python, and JavaScript with strong expertise in React, Node.js, REST APIs, and SQL. Solved 400+ DSA problems, demonstrating strong problem-solving skills.

## EDUCATION

### B.Tech. in Computer Science Engineering

International Institute of Information Technology, Naya Raipur, India

Aug 2023 – Jul 2027

**CGPA: 9.16/10**

- **Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Computer Networks, Database Management Systems, Object Oriented Programming, Software Engineering, Distributed Systems, Machine Learning, Deep Learning, Calculus, Discrete Math, Linear Algebra, Probability & Statistics.

## TECHNICAL SKILLS

**Programming:** C, C++, Python, Java, JavaScript, TypeScript

**Web/App:** HTML, CSS, ReactJS, NextJS, React Native, NodeJS, ExpressJS, Strapi, REST APIs

**Databases:** PostgreSQL, MongoDB, MySQL, Firebase, Supabase, PrismaDB

**Cloud/Tools:** AWS, GCP, DigitalOcean, Linux, Docker, NGINX, Git, GitHub, Expo

## WORK EXPERIENCE

### Research & Development Intern | Samsung R&D Institute

Nov 2025 – Present

**Tech:** Python, TensorFlow, OpenCV, Flask, React.js, Docker, Google Cloud Platform

Naya Raipur, India

- Developed an automated image quality system using TensorFlow/OpenCV to detect and mark ROI defects.
- Built a CNN defect detection model targeting  $\geq 88\%$  accuracy and  $\leq 1.5s$  latency using the DIV2K dataset.
- Architected a React/Flask visualization tool deployed via Docker on GCP for image refinement workflows.

### Software Developer Intern | Daphnis Labs

Nov 2025 – Jan 2026

**Tech:** Next.js, React.js, Node.js, PostgreSQL, PrismaDB, DigitalOcean, Strapi

Remote

- Developed real-time game difficulty algorithms and RBAC-driven admin modules for wallet management.
- Managed full-stack deployment on DigitalOcean, ensuring synchronization of frontend, backend, and DB.
- Built a Shopify setup wizard to improve Day-1 retention and a Strapi CMS to speed up delivery by 40%.

### Software Developer Intern | IIIT Naya Raipur

Jul 2025 – Jan 2026

**Tech:** React.js, Node.js, ExpressJS, PostgreSQL, NGINX, PM2, Linux

Naya Raipur, India

- Developed the official university alumni portal, a full-stack platform for 2000+ networking members.
- Engineered a Node.js/PostgreSQL backend with RBAC and scalable models for profile and event management.
- Deployed on institutional Linux servers using NGINX and PM2, ensuring high availability and performance.

### Software Developer Intern | Cognito

Jun 2025 – Aug 2025

**Tech:** React Native, Expo, Supabase, Node.js, TypeScript, EAS Build

Remote

- Architected Supabase serverless backend for core logic and auth, delivering 80% of MVP features in 5 weeks.
- Built AI-driven personalization (LLM APIs) and Razorpay integration while optimizing frontend UX flows.
- Translated business needs into engineering solutions within agile sprints alongside product management.

## PROJECTS

### MailWise: AI-Powered Email Management Platform

Jan 2025 – Present

**Tech:** ReactJS, NodeJS, PostgreSQL, Gemini AI, AWS (EC2, RDS)

[GitHub](#) | [Demo](#)

- Automated Gmail categorization using Gemini AI + OAuth, reducing manual sorting time by  $\sim 60\%$ .
- Designed React.js UI with AI-assisted drafting, increasing user efficiency by  $\sim 40\%$ .
- Deployed scalable AWS infrastructure; optimized Node.js/PostgreSQL for  $3\times$  data processing speed.

### CrowdScope: AI-Driven Market Insights Platform

Feb 2025 – Apr 2025

**Tech:** ReactJS, Tailwind, NodeJS, Python, Gemini AI, Reddit API

[GitHub](#) | [Demo](#)

- Built Python/Gemini AI solution to extract Reddit market insights, cutting manual research by 70%.
- Developed optimized Node.js/Python backends for scalable data retrieval and market analysis.
- Delivered business-centric reports via React UI to assist client decision-making processes.

## ACHIEVEMENTS

- **Solved 400+ problems** on DSA on platforms like [LeetCode](#) & [TakeUForward](#).
- **Finalist**, HackVega by MyCareernet (powered by HirePro) – Reached the Final Round nationwide.
- **3rd Runner-Up** – Hack-o-Harbour 2025, IIIT-NR – Developed an AI-based solution in a team of 4.

## CERTIFICATIONS

- Oracle Cloud Infrastructure 2025 Foundations Associate – Oracle
- The Complete Web Development Bootcamp – Dr. Angela Yu
- Machine Learning A-Z: AI, Python & R – Kirill Eremenko, Hadelin de Ponteves