

Aman Singh

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SUMMARY

- Results-driven Software Development Engineer (SDE) Intern candidate with strong foundations in Data Structures & Algorithms, Object-Oriented Programming, and full-stack development.
- Hands-on experience building scalable web applications and AI-powered systems using Next.js, React.js, Node.js, Python, and REST APIs.
- Worked on real-time, production-like projects involving AI agents, speech-to-text, and evaluation workflows using Gemini API and OpenAI APIs.
- Adept at debugging, writing clean and maintainable code, using Git/GitHub, and collaborating on remote, product-focused teams.

EDUCATION

2023 – 2027 **Bachelor of Technology (B.Tech)** in Computer Science

Lloyd Institute of Engineering & Technology

(GPA: 7.5/10.0)

PROJECTS

AI Agent Builder

Next.js, React.js, Node.js, Python, OpenAI APIs

- Designed and developed an AI Agent Builder platform enabling users to create, configure, and deploy custom AI agents.
- Built modular multi-agent workflows with memory, real-time interaction, and dynamic prompt execution.
- Implemented backend logic for agent configuration, message routing, and API orchestration for external AI models.

AI Mock Interview System

React.js, Node.js, STT APIs, Gemini API

- Engineered an AI-powered mock interview platform that simulates real technical interviews for students.
- Implemented speech-to-text (STT) pipeline where candidates answer via voice and responses are converted into structured text.
- Integrated Gemini API to evaluate answers, generate real-time feedback, scoring, and personalized improvement suggestions.
- Designed a robust interview flow with automated evaluation logic suitable for large-scale remote usage.

SKILLS

Programming Languages Python, JavaScript, C, C++

Core CS Skills Data Structures & Algorithms, OOP, Problem Solving, Debugging

Web Development Next.js, React.js, Node.js, Express.js, REST APIs, Tailwind CSS

Databases PostgreSQL, MySQL, MongoDB

Tools & Platforms Git, GitHub, VS Code

CERTIFICATIONS

- 2025 Oracle Cloud Infrastructure Certified AI Foundations Associate – ID: 102324102OCI25AICFA
- 2025 Google Introduction to Generative AI Studio – Code: 8589724
- 2025 BNB Chain Hackathon – Participant