

# AARYAN ANIL KUMAR SINGH

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Portfolio

## Education

Degree/Certificate	Institute/Board	GPA/Percentage	Year
B.Tech. in CSE	Indian Institute of Information Technology, Kota	8.4	2022-Present
Senior Secondary	St. Joseph's Public School, Kota [CBSE]	94%	2022
Secondary	Seven Square Academy [CBSE]	95.2%	2020

## Relevant Coursework

- Data Structures
- Operating Systems
- Object Oriented Design
- Algorithms
- Software Engineering
- Database Management
- Computer Networks
- Artificial Intelligence

## Experience

**SDE Intern at Cashfree Payments** | *GoLang, MCP, AI Agents, TypeScript, Java, React* **June 2025 - Present**

- Built **Cashfree Here**, a plugin enabling merchants to add payment tools to OpenAI ChatGPT Apps SDK and MCP apps with single-line integration per payment method, along with **Cashfree Agent Skills** (npx package) and **Agent Toolkit**, a framework-agnostic toolkit exposing Cashfree APIs for agentic frameworks.
- Designed and deployed internal **MCP servers** and multiple autonomous AI agents with user/agent-specific memory, integrated into Slack to let Business, Ops and Integrations teams **self-serve internal insights**, reducing dependency on Engineering and cutting data lookup time from **hours to under 30 seconds**, with **120+ daily requests**.
- Built AI-driven operational automations including an autonomous workflow scanning all Helm configs across services to detect misconfigured/missing alerts with **automatic Jira ticket creation**, and migrated service code to reduce database connection overhead, both under **Engineering Resiliency**.
- Created an **end-to-end Agentic Payments demo** showcased at the **Global Fintech Fest**, demonstrating future-ready automated payment orchestration workflows.

**Technical Intern at Bhejooo** | *NestJs, Nodejs, MySQL, Typescript, Git, Agile* **June 2024 - September 2024**

- Spearheaded end-to-end integration of WooCommerce with Bhejooo, architecting a **distributed systems** solution with **OAuth 2.0 authentication** for secure onboarding, developing RESTful API endpoints for order synchronization, and building automated fulfillment workflows, resulting in seamless operations for WooCommerce sellers.
- Built real-time logistics dashboards using **information retrieval** techniques, optimized XpressBees error handling, and engineered a pincode API fallback, reducing downtime by **90%** and improving service reliability.

## Projects

**AI-Career Hub** | *Next.js, Tailwind CSS, Python, Gemini AI, MongoDB* — **GitHub | Live Demo** **January 2025**

- Developed a full-stack AI-powered career guidance platform with skill assessments, resume analysis, and personalized career recommendations using **Next.js**, **MongoDB**, and **Gemini AI**.
- Directed the comprehensive development of both frontend and backend for a full-stack application, integrating **NextAuth** to establish Google authentication which improved user login convenience by **70%** and increased retention.
- AI-driven skill assessment proctoring using **Python**, enhancing credibility while integrating intelligent career insights.

## Technical Skills

**Languages:** C, C++, Python, TypeScript, JavaScript, SQL, Java, GoLang

**Web Technologies:** Next.js, Reactjs, TailwindCSS, MCP, Nodejs, NestJs, Expressjs, MongoDB, Prisma, MySQL

## Achievements & DSA/Competitive Programming

- **Winner of Amdocs GenAI Graduate Hackathon 2024**, from over 11.5K+ participants from 300+ colleges.
- **Amazon ML Summer School'24**: Selected among the top 3,000 students out of around 90,000 applicants.
- Solved **750+** problems across multiple platforms, including **450+** on **LeetCode (Knight : 1874)** and **200+** on **GFG**.
- **Semi-Finalist**: Flipkart Grid 7.0.