

Arpit Singh

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[LinkedIn](#)

[GitHub](#)

[Portfolio](#)

[LeetCode](#)

Education

National Institute of Technology, Hamirpur

Aug 2024 – June 2028

B.Tech, Computer Science Engineering

Technical Skills

Languages: Golang, Python, C++, Scala, Rust, JavaScript, Solidity

Web and API Technologies: Golang (net/http), Django, Actix Web, Hugo, Express.js, Next.js,

Database: Redis, MongoDB, MySQL, PostgreSQL, SQLite

Developer Tools: NeoVim, VS Code, Git & GitHub, Kitty

Operating Systems: Arch Linux, Ubuntu Linux, Windows

Relevant Coursework: DSA, OOP, Operating Systems, Computer Networks, Low-Level Design

Soft Skills: Strategic Problem Solving, Communication, Event Management, Public Relations, Mentorship

Work Experience

Open-Source Contributor — *Ancient Beast & Scala/Terminus*

January 2025 – May 2025

Ancient Beast | Jan 2025 – June 2025

- Designed and developed the **Bounty Hunter** character, enhancing gameplay strategy and diversity.
- Fixed UI **z-index bugs**, improving visual consistency for **500+** monthly users.
- Merged **2 PRs**; earned **87 MintMe coins** as contributor rewards.

Scala/Terminus | March 2025 – May 2025

- Contributed **2 PRs** to **CreativeScala** during Google Summer of Code.
- Implemented **ANSI-based cursor** movement and **terminal resizing** for xterm.js backend.
- Added unit tests to maintain full test coverage and API consistency.

Volunteer, .EXE Technical Club, NIT Hamirpur

January 2025 – Present

- Led event execution that contributed to winning **Best Technical Club at Nimbus 2025**.
- Built a **Smart Parking System** with real-time slot tracking and optimized space usage

Projects

AI Resume Screening Platform ([GitHub](#)) — *React, Express, n8n, Gemini API*

- AI-based recruitment tool for instant resume screening using ATS scoring and **no-code automation**.
- Integrated **n8n for no-code automation**, enabling AI scoring, email notifications, and Slack/Discord alerts.
- Cut screening time from **3 hrs → 45 mins** for **200+ applications/week**

GlobalRoute Navigator ([GitHub](#)) — *Next.js, Fast API, PostgreSQL, Leaflet.js*

- Designed an **AI-based logistics optimizer** for multi-modal shipping (Air, Sea, Land, Hybrid) with real-time route insights.
- Implemented the **A* pathfinding algorithm** with dynamic heuristics for cost, time, and carbon footprint optimization.
- Achieved a **60% improvement** in simulated delivery time and environmental impact assessments.

SpeakPro AI ([GitHub](#)) — *React, Node.js, Streamlit, MediaPipe, ElevenLabs*

- Real-time AI coach for speaking skills with body/voice feedback.
- Used by **200+** users; **90%** reported higher confidence

Achievement

- 3× Hackathon Winner** || participated in **15+ hackathons** at college and online platforms
 - Assist Speak** – AI voice interface for speech-impaired users
 - BlindNavigator** – Real-time object detection tool for visually impaired
 - Portfolio Website** – Selected as best project among global entries
- Solved **350+** DSA problems across LeetCode (**1468**), CodeChef (**1601** – 3★), Codeforces (714)
- Certified in **Advanced SQL** – HackerRank, **Python** – Cisco, **Ethereum Blockchain** – HackQuest