

# 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

- 3x 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**