

Parth Gupta

mail2parthgupta@gmail.com, +91-9354633214

Website: parthg.tech

[GitHub](#) | [LeetCode](#) | [CodeChef](#) | [Codeforces](#) | [Linkedin](#)

PROFESSIONAL SUMMARY

Final-year CSE student with 3 technical internships spanning ML, backend and data engineering. Creator of full-stack systems serving **140K+ users globally** and centralizing **\$200K+ payments**. Proven ability to build production-grade solutions from scratch - from Reddit/Discord bots moderating **10M+ members** to enterprise platforms achieving **99.9% uptime**.

TECHNICAL SKILLS

Languages: Python, C++, Go, JavaScript, TypeScript, C, SQL, HTML/CSS, Kotlin

Frameworks: React, NextJS, FastAPI, TensorFlow, Keras, ExpressJS, Discord.py, React Native

Databases: MongoDB, MySQL, PostgreSQL, ClickHouse, Redis — **Cloud:** AWS, GCP, Hetzner, Cloudflare

Tools: Git, Docker, Linux, REST APIs, Jenkins, CI/CD, Agile/Scrum

PROFESSIONAL EXPERIENCE

Project Intern - Backend Infrastructure

Feb 2025 – July 2025

Remote

- Designed Redfish event deduplication engine capable of processing **10,000+ daily alerts**, reducing redundant notifications by **70%** and achieving **2ms median processing time** through configurable cache-and-expiry mechanism
- Built web-based benchmarking suite testing **15+ event patterns** across 3 operational modes with real-time metric visualizations and automated performance regression testing

Applied Machine Learning Intern

May 2024 – July 2024

Gurgaon, India

- Implemented CNN-based helmet detection model with **97% accuracy** for **30,000+ field executives** to reduce accidents, processing **5,000+ daily validations** with **10ms API response time**
- Created facial embedding validation system using transfer learning, ensuring delivery personnel identity verification across **1000+ delivery hubs** with MySQL/MongoDB hybrid architecture

Data Science Intern

June 2023 – July 2023

Delhi, India

Conscient.ai | MongoDB, ClickHouse, Python, Matplotlib

- Analyzed **200GB+ data** across distributed databases, creating **20+ Python scripts** and **15+ visualizations** for C-suite dashboards, reducing analysis-to-insight turnaround by **60%**

TECHNICAL PROJECTS

StockPiece - Mock Financial Market

Live

- Developed anime stock simulation serving **140,000+ users** from **100+ countries** with **8M+ peak monthly requests**, maintaining **99.9% uptime** on distributed Hetzner infrastructure
- Engineered engagement algorithm updating **100+ stocks** weekly using volume impact and logarithmic price dampening to prevent market manipulation

Enterprise Business Platform - Persona Essential

Live

- Architected full-stack platform centralizing **\$200,000+ lifetime payments** for company managing **90+ creators** producing content with **400M+ impressions**
- Developed Discord bot handling **100+ daily submissions** synchronized with payment tracking and analytics
- Created conversion-optimized landing page achieving **12% CTR**, securing clients including **MrBeast, Netflix, OperaGX, Polymarket, Dreamworks, Roku** through strategic UX design

SkillJourney - AI Career Development Platform

GitHub

- Built AI-driven career roadmap generator using Gemini API, creating personalized learning paths tailored to individual profiles with **95% user satisfaction** in testing
- Implemented JSON tokenization algorithm decreasing waiting time by **70%** and designed scalable backend supporting **1,000+ concurrent users** with JWT authentication and rate limiting

EDUCATION

Bachelor of Technology in Computer Science

Aug 2022 – May 2026

Shiv Nadar University

CGPA: **8.78/10**, Dean's List: Spring 2024, Monsoon 2024, Spring 2025

Delhi Public School Ghaziabad

2008 – 2022

Class XII: 89.4% | **Class X:** 95.6%

7-Year Scholar, Silver Memento (Highest Academic Honor)

ACHIEVEMENTS & LEADERSHIP

- Hackathons:** Google Hack4Change 2024 **Finalist (Top 0.002%)** | Smart India Hackathon 2024 **Semi-Finalist**
- Competitive Excellence:** Amazon ML School 2025 (Top 5%/60K+) | Codeforces **Specialist (1538)** | CodeChef **3-Star (1735)**
- Open Source:** **10+ merged PRs** in GSSoC'24 and Hacktoberfest'24 contributing to TensorFlow, React, FastAPI projects
- Industry Recognition:** HP recommendation for exceptional community development | OperaGX recommendation for viral campaigns (**10M+ impressions**) and bot development | Led team of **90+ creators** at Persona Essential
- Certifications:** AWS Cloud Practitioner | Kaggle ML Fundamentals | Postman API Fundamentals
- Research:** “Parallel semantic walk for large knowledge graphs” accepted at **IEEE MCSOC 2025** (Dec 2025, Singapore)