

# Parth Gupta

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Website: [parthg.tech](https://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  
*Hewlett Packard Enterprise | RedfishES, Python, NextJS, RabbitMQ* 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  
*Ecom Express | Python, TensorFlow, FastAPI, MongoDB, Computer Vision* 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  
*Conscent.ai | MongoDB, ClickHouse, Python, Matplotlib* Delhi, India
- 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** | *TypeScript, React, ExpressJS, MongoDB* 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** | *NextJS, Python, MongoDB* 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** | *FastAPI, MongoDB, Google AI Studio* 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)