Parth Gupta

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Website: parthg.tech

GitHub | LeetCode | CodeChef | Codeforces | Linkedin

PROFESSIONAL SUMMARY

Final-year CSE student with 4 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

Backend Intern - Wealth   Oct 2025 – Jan 2026
CRED | Go, Java, JavaScript, AWS   *Remote*
- Building CRED's wealth management platform from 0 to 1, designing **secure, resilient, and scalable** microservices and RESTful APIs capable of processing **millions of concurrent transactions** with **sub-second latency**

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

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)