

Aditya Kumar Gupta

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WORK EXPERIENCE

Brevo [↗](#)

October 2023 - Present

Senior Software Engineer

January 2026 - Present

- Contributing to backend architecture and scalability improvements for the **Loyalty Platform**, enhancing performance and maintainability.
- Owning **Shopify** and **PrestaShop** plugin integrations, aligning APIs and ensuring seamless merchant adoption.
- Driving engineering excellence through design discussions, code reviews, and active participation in on-call rotations to improve system reliability.
- Led the migration of production services from **GKE to OVH**, aligning infrastructure, CI/CD pipelines, and deployment workflows while ensuring minimal service disruption.
- Leveraging AI-assisted workflows (**Anthropic Claude**) to improve developer productivity and engineering efficiency.

Software Engineer

October 2023 - December 2025

- Built a configurable **Rule Engine** using DSL and Google CEL for event-driven loyalty workflows.
- Developed balance history, offer attribution, and tier allocation systems; reduced code complexity by 40% via versioned architecture.
- Implemented a **Code-Manager service** for unique code generation, identifying a repetition threshold of 1.9M generations while optimizing backend performance.
- Engineered high-throughput **REST + gRPC** services handling **10K RPS**, powered by Redis caching and Apache Kafka.

Coforge [↗](#)

July 2023 - October 2023

Software Engineer

Noida, India

- Improved backend performance by and P99 using Golang and MySQL on the Post Office Limited London project.

SuperSixSports Gaming Pvt. Ltd. [↗](#)

August 2022 - July 2023

Software Engineer

Noida, India

- Member of the **Backend Development** team for **Fantasy Akhada [↗](#)**, a leading fantasy sports platform in India with over 6 million users, built with **GoLang**, **Docker**, and AWS hosting.
- Designed and implemented a **Notification microservice** using **Firebase** and **RabbitMQ**, and built an in-house **Feed Engine** for processing global sports match data as a critical platform component along with an **Offer module** for personalized promotions with user-specific promo codes, driving user engagement and revenue growth.

TECHNICAL SKILLS

Languages & Databases: Golang, Python, SQL, PostgreSQL, MongoDB, Redis

Technologies: Git, Docker, gRPCs, RabbitMQ, Kafka, Datadog, Grafana, Argo Workflows, CI/CD Pipelines

EDUCATION

JSS Academy Of Technical Education

2018 - 2022

Bachelor of Technology | **CGPA: 8.0**

Noida, India

St. Joseph's College

2016 - 2018

High School: **84%** | Intermediate: **78.2%**

Allahabad, India

PROJECTS

Quiz.ai | *Encrypted Automatic MCQ Generator* | Python, Machine Learning, NLP

[github.com/quiz.ai](#) [↗](#)

- Built an **automated MCQ generation system** using **NLP techniques** to efficiently create questions while incorporating a **privacy-preserving mechanism** for secure exam conduction through a protected question bank.

StandNote | *Minutes of the Meeting Generator* | Python, Machine Learning, NLP, Django

[github.com/standnote](#) [↗](#)

- Built an intuitive **online meeting assistant** that automates meeting minutes using Cosine Similarity with **NetworkX** and **SpaCY** for precise and concise summaries.

PUBLICATIONS

- An Encrypted Automatic Multiple-Choice Question Generator for Self-Assessment Using Natural Language Processing [↗](#)**, Journal Of Emerging Technologies and Innovative Research · May 30, 2022

ACHIEVEMENTS

- Won **InOut 7.0 [↗](#)**, India's largest community hackathon (2500+ participants), and ranked **3rd** regionally in the **National Mathematics Olympiad**.
- Awarded the **Bertelsmann Scholarship - Phase I** for exceptional merit and potential.
- Received multiple **On-the-Spot Recognition Awards** at Brevo for designing a company-wide unique code management service and consistently supporting team objectives.