

Aditya Kumar Gupta

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WORK EXPERIENCE

Brevo [↗](#)

October 2023 - Present

Software Engineer

Noida, India

- Member of the **Loyalty Platform Development** team, contributing to Brevo's **Loyalty Program** [↗](#), which enables businesses to build and optimize customer loyalty programs.
- Contributed to the development of a **Rule Engine**, a key component of the loyalty program, leveraging **DSL (Domain-Specific Language)** and **Google CEL** for dynamic rule evaluation and event-based decision-making.
- Developed **user balance history**, **offer attribution & redemption**, and **tier allocation** features, implementing a versioning system that reduced code complexity by 40% and simplifying future updates.
- Engineered and deployed scalable **RESTful APIs** and **gRPC services** from scratch, implementing effective **caching strategies** to achieve a throughput of 10K requests per second while maintaining per-user limits, and ensuring real-time event-driven communication via **Apache Kafka**.
- Implemented a **Code-Manager repository** for seamless unique code generation and management, identifying a repetition threshold of 1.9 million generations while optimizing backend performance.

Coforge [↗](#)

July 2023 - October 2023

Software Engineer

Noida, India

- Delivered high-impact contributions to the Post Office Limited London project, leveraged **Golang** and **MySQL** to enhance backend performance by 15%.

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.
- Implemented a **Founder Report cron job** for data-driven decision-making and developed 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

Bachelor of Technology | **CGPA: 8.0**

2018 - 2022

Noida, India

St. Joseph's College

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

2016 - 2018

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.