Niyati Gupta

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EDUCATION

National Institute of Technology, Srinagar — **CGPA: 8.13**
Bachelors of Technology, Computer Science — *2020 – 2024*

EXPERIENCE

Caastle — **March 2025 – Present**
Software Engineer - Data Engineering — *Bengaluru, India*

- **Designed** and developed a **scalable ETL** pipeline leveraging **Java**, **Apache Spark** to process large-scale financial datasets and integrate real-time **interest rate APIs**, enabling seamless and reliable **data ingestion** and **transformation**.
- **Improved data reliability** by **40%** through robust **unit and integration testing** frameworks using **JUnit** and **Mockito**, identifying and resolving inconsistencies in upstream API responses.

UrbanMatch Tech Pvt Ltd — **August 2024 – February 2025**
Software Developer - Backend — *Hyderabad, India*

- **Owned** end-to-end development of key **RESTful API services** supporting a matchmaking platform with **10,000+ active users**, improving system response time by **35%** and enhancing platform scalability using **Python-Django, PostgreSQL**.
- **Refactored** and optimized high-load database queries and backend logic, reducing query execution latency by **55%**, resulting in a significantly smoother user experience.
- Collaborated **cross-functionally** with frontend engineers and product managers to deliver reliable, **production-grade** features; contributed to achieving **99.9% uptime** and seamless user onboarding.
- **Designed** and implemented a **personalized recommendation engine** using weighted scoring algorithms, leading to a **20% increase** in successful matches and a **15% boost** in user engagement over a **3-month** period.
- Demonstrated **ownership** in sprint planning and backend **code reviews**; ensured code quality, adherence to software engineering best practices, and actively mentored interns and junior developers. Oversaw manual deployment workflows to **AWS EC2** servers, ensuring smooth and reliable production releases.

SKILLS

Languages	C++, Python, Java, JavaScript, SQL, TypeScript
Backend	Node.js, Django, FastAPI, Spark, Microservices
Frontend	React.js, Redux, HTML, CSS
Databases	PostgreSQL, MongoDB, MySQL, Hive, Trino, Firebase
Cloud & DevOps	AWS (EC2, S3), Docker, Git, CI/CD, Agile
Tools & APIs	Express.js, REST, JWT, OAuth2, Postman
Coursework	Data Structures & Algorithms, OOP, OS, DBMS, CN

PROJECTS

Mess Complaint Portal - *React, Node.js, Express.js, MongoDB, Redux, Nodemailer* - Live Link

- Developed a **secure student portal** with **role-based** authentication and **two-factor** verification for **500+** users, automating **complaint** and **leave management** using **RESTful** APIs, reducing issue resolution time by **70%** (from **72** to **2** hours), and built an automated billing system with **99%** data accuracy for **1,000+** accounts.

NestNexus - *React, Node.js, Express.js, MongoDB, Redux* - Live Link

- Built a **property management** platform with **JWT & OAuth** for secure authentication, enhancing **CRUD** efficiency by 50% and improving property discovery with advanced **search algorithms** and filters.

Tweeter - *MERN Stack, Cloudinary, React Query* - Live Link

- Created a **Twitter**-inspired social media platform (X) with secure user authentication using **JWT**, optimized data fetching via **React Query**, and integrated **Cloudinary** for image uploads and **real-time notifications**, demonstrating full-stack expertise and cloud-based scalability.

ACHIEVEMENTS

- Solved over **1000+** coding problems on different coding platforms.