Niyati Gupta

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EXPERIENCE

Caastle | *Software Engineer*   March 2025 – Present
- **Designed** and **developed** a **scalable ETL** pipeline using **Java** and **Spark**, processing large volumes of **financial data** and integrating real-time interest rate **APIs**, ensuring seamless **data ingestion** and **transformation**.
- Implemented unit and integration tests with **JUnit** and **Mockito**, improving code reliability and reducing API data discrepancies by **40%**   .
- Company currently transitioning due to external circumstances.

UrbanMatch Tech Pvt Ltd | *Software Developer*   Aug 2024 – Feb 2025
- **Engineered** and **optimized** RESTful APIs for a **matchmaking platform**, reducing API response time by **35%** and improving **system scalability** using **Python (Django), Node.js, and PostgreSQL**.
- **Implemented** performance-driven **enhancements** in **database queries** and **backend logic**, cutting down query execution time by **40%**, leading to a **smoother user experience**.
- **Collaborated cross-functionally** with **frontend** and **product teams** to deliver **scalable, high-performance backend solutions**, increasing system uptime to **99.9%** and enhancing user engagement.

SKILLS

Languages: C++, Python, Java, JavaScript, SQL
Frameworks & Libraries: Django, FastAPI, React.js, Node.js, Redux, Spark
DevOps & Cloud: AWS (EC2, S3), Docker, Agile
Databases: PostgreSQL, MongoDB
Data Science & ML: Scikit-learn, Pandas, NumPy, PyTorch
Testing & Tools: JUnit, Mockito, Git, REST APIs, OAuth, JWT, Solr
Coursework: DSA, OS, OOP, Networks
Soft Skills: Communication, Problem-solving, Adaptability, Teamwork, Leadership

PROJECTS

Mess Complaint Portal | *React, Node.js, Express.js, MongoDB, Redux, Nodemailer*   Link
- **Independently** designed and developed a secure student portal with **role**-based authentication and **two-factor** verification, targeting **500+** potential users.
- Streamlined complaint and leave management through **automated notifications** and robust APIs, **reducing issue resolution time** by **70%** (from **72** hours to **2** hours).
- Built an automated billing system with data validation and reporting modules, ensuring **99%** data accuracy for **1,000+** student accounts during the pre-launch phase.

NestNexus | *React, Node.js, Express.js, MongoDB, Redux*   Link
- Built a property management platform with secure authentication (**JWT, Google OAuth**), efficient **CRUD** operations, and features like **image uploads**, enhancing data management and usability.
- Enhanced property discovery with advanced **search algorithms** and custom filters, driving seamless navigation, user engagement, and platform efficiency.

Tweeter | *React, Node.js, Express.js, MongoDB, Cloudinary, React Query*   Link
- Designed and deployed a **Twitter**-inspired social media platform (X) with secure user authentication using **JSON Web Tokens** (JWT) and optimized data fetching via **React Query**, demonstrating expertise in full-stack web development.
- Integrated **Cloudinary** for image uploads and **real-time notifications**, enhancing user engagement and content sharing while ensuring seamless cloud-based scalability.

EDUCATION

- **National Institute of Technology, Srinagar**   (2020 − 2024)
  Bachelors of Technology in Computer Science
  CGPA: 8.13/10