Vanshita Jain

Software Engineer

Lucknow, India | +91 7355042461 | vanshitajain1204@gmail.com | GitHub | LinkedIn | LeetCode | HackerRank | Portfolio

Professional Summary

Results-driven Software Engineer with 2+ years of experience developing high-performance platforms using **Python**, **Django**, and **REST** APIs. Skilled in **microservices** architecture, data **optimization**, and automation, delivering measurable improvements in efficiency, productivity, and user engagement across e-commerce, travel, and education domains.

Technical Skills

Languages: Python, SQL, JavaScript
Frameworks: Django, Flask, Django REST Framework, HTMX, Alpine.js
Databases: PostgreSQL, MySQL, MongoDB, Redis
Tools & Services: Docker, Celery, Google Pub/Sub, Brevo API, OAuth, Git, GA4, Mixpanel
Core Competencies: API Design, Microservices, System Optimization, Test-Driven Development, Debugging, Cloud Integration

Professional Experience

Tarams Software Technologies Pvt. Ltd.
Software Engineer | January 2025 - Present

Jrnyon (Travel Booking & Experiences Platform)
- Designed and implemented a centralized Django platform consolidating **20+ staff users** and **50+ trips**, ensuring access control and data integrity.
- Built dynamic booking flows and forms using **Django, HTMX, and Alpine.js**, improving B2B and Ops productivity.
- Implemented inline forms, autocomplete, and bulk actions in Django Admin, increasing Ops efficiency by **60%**.
- Integrated **GA4 and Mixpanel** to track user journeys and reduce manual reporting by **50%** across **10K+ monthly sessions**.
- Systemized UTM and keyword tracking for ROI measurement and SEO gap analysis.

Outset (Retail & Resale Product Enrichment Platform)
- Developed scalable pipelines to process **10K+ products per week** from multiple retailers, improving data coverage by **40%**.
- Automated product classification using synonym-based logic, improving accuracy by **30%**.
- **Streamlined** transactional and onboarding emails using **Celery + Brevo API**, cutting communication time by 80%.

Suraasa
Software Development Engineer | July 2023 - January 2025
- Applied advanced **meta-programming techniques**, increasing processing efficiency by **40%** and enabling organization-wide adoption
- Optimized Olympiad platform for 20,000+ users, reducing response times by **30%** and improving resource efficiency by **25%.**
- Integrated **15+ third-party APIs**, expanding system functionality by **35%**.
- Customized **Zoho CRM** workflows to optimize sales operations, improving lead conversions by **60%** and cutting costs by **20%**.
- Designed a **profile strength system** using MongoDB, boosting user engagement by **50%**.

Software Development Intern | April 2023 - June 2023
- Refactored codebases for performance optimization, achieving **15% faster execution**.
- Built a mini learning platform project covering **Django REST APIs, authentication, database design, and version control**.
- Resolved production issues, reducing bug recurrence by **20%**

Projects

JrnyOn: Travel booking platform enabling search, booking, and operator analytics - Django, HTMX, Alpine.js
Outset: Platform processing for wardrobe management through email ingestion- Django, Celery, Brevo API, Google Auth
Suraasa Jobs: Teacher-job matching platform connecting schools with qualified educators - Django, MongoDB, Celery, Redis
Suraasa: Learner management platform for course acquisition, assessment tracking, and skill portfolio - Django, MongoDB, PostgreSQL
Influencer Sponsorship Management: Platform for influencer campaigns with task scheduling and caching - Flask, Celery, Redis

Education

Bachelor of Science (Hons.) in Computer Science | **Hansraj College, University of Delhi** | **2023**
Diploma in Programming | **Indian Institute of Technology, Madras** | **2024**

Certifications

- **MongoDB Python Path** - MongoDB University |2025
- **SystemExpert** - AlgoExpert | 2023
- **Foundation Level in Data Science and Applications** - IIT Madras | 2022