

PRIYANKA J

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TECHNICAL SKILLS

- **Backend & Infrastructure:** Python (Django, Flask, FastAPI), RESTful API Design, Asynchronous Task Processing
- **Distributed Systems:** Apache Airflow (workflow orchestration), Task Scheduling, Pipeline Architecture
- **Database Technologies:** PostgreSQL, MySQL, SQLite, MongoDB
- **Monitoring & Observability:** Grafana, Prometheus, SQL Exporter
- **Cloud & DevOps:** Google Cloud Platform, Docker
- **Development Practices:** Production Debugging, System Reliability, Agile/SCRUM, Code Reviews
- **Version Control:** Git, GitHub

EXPERIENCE

IKEA, INGKA Services LLP

Junior Software Engineer – Intern

Bengaluru, Karnataka

Mar 2025 – Nov 2025

- Architected and maintained Apache Airflow distributed task orchestration system, designing workflows that increased pipeline reliability by 40% while supporting data processing for multiple business units
- Built production monitoring infrastructure using Grafana and Prometheus with PostgreSQL integration, implementing materialized views and automated refresh schedules (pg_cron) for real-time system observability
- Developed Synthetic Test Data Generator with Python-based architecture improving test coverage efficiency by 60%, demonstrating ability to build scalable infrastructure tools that support engineering velocity
- Participated in production support and system debugging, collaborating with cross-functional teams to ensure service reliability and minimize downtime
- Created comprehensive technical documentation for 3 infrastructure solutions with 2 successfully deployed to production environments
- Engaged in agile development practices including sprint planning, code reviews, and architecture discussions with backend, frontend, and QA teams

Colt Assist Pvt Ltd

Java Full Stack Development Intern

Bengaluru, Karnataka

Oct 2023 – Nov 2023

- Gained hands-on experience with the database through projects like a Hospital Database Management System and SGPA Calculator, showcasing Java development and problem-solving skills.
- Architected and implemented relational database solutions with optimized MySQL queries achieving 35% improved data retrieval speed, showcasing ability to build scalable data platforms that enhance user experiences

PROJECTS

GigSync – Freelancing Platform

| Flask, SQLite3, HTML, CSS, JavaScript | [LINK](#)

- Architected multi-user platform with role-based authentication serving 3 user types (Employers, Freelancers, Administrators)
- Designed RESTful APIs using Flask for backend services and implemented scalable SQLite database architecture
- Built responsive frontend interfaces with focus on user experience and system reliability

Restock Notification Bot

| Python, BeautifulSoup, SQLite, HTML, CSS, JavaScript | [LINK](#)

- Designed asynchronous task processing system with configurable scheduling for automated web monitoring and email notifications, demonstrating distributed systems thinking and scalability considerations
- Architected RESTful API backend handling concurrent task execution, user management, and real-time product tracking across multiple monitoring jobs
- Implemented SMTP notification system with user-configurable intervals, optimizing for performance and reliability in production-like environment
- Built responsive frontend interface and database layer supporting multi-user task management workflows

EDUCATION

City Engineering College, VTU

Bachelor of Engineering in Computer Science, CGPA – 8.89/10

Bengaluru, Karnataka

July 2025

- **Relevant Coursework:** Data Structures & Algorithms, Database Management Systems, Distributed Systems, Web Application Development, API Design, Machine Learning
- **Specializations:** Python Development, Django Web Framework, Database Design & Schema Architecture

ACTIVITIES

- **Technical Event Volunteer** at City Engineering College

2023-2024

- **Academic Tutor** - Mentoring school students in their academics

2021-Present