

# PRIYANKA J

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## SUMMARY

Detail-oriented Backend Software Engineer with expertise in system architecture and algorithm optimization, having reduced computational complexity by 40% in previous projects. Possesses a keen eye for performance bottlenecks and building scalable payment infrastructure with robust API design. Motivated self-starter who thrives in collaborative environments while maintaining ownership of code quality.

## TECHNICAL SKILLS

- **Programming & Development:** JavaScript, Python, Java, HTML, CSS, Bootstrap, HTMX
- **Frameworks & APIs:** Django, Django REST Framework, FastAPI, RESTful APIs
- **Database Management:** PostgreSQL, MySQL, SQLite3, NoSQL concepts
- **DevOps & Deployment:** Git, GitHub, Docker, CI/CD concepts
- **Software Architecture:** Design Patterns, Component-Based Architecture, System Design
- **Development Methodologies:** Agile Development, Version Control

## EDUCATION

**City Engineering College, VTU**

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

Bengaluru, Karnataka

**Expected Graduation: June 2025**

- **Concentrations:** Software Development, Algorithm Optimization, Web Development
- **Related Coursework:** Software Engineering, Data Structures & Algorithms, Database Management Systems, API Development, Django

**The National College, II<sup>nd</sup> PUC**

PCMCs, Percentage – 86.16%

Bengaluru, Karnataka

**June 2020 – July 2021**

**Good Earth High School**

Class 10, Percentage – 78.08%

Bengaluru, Karnataka

**June 2018 – April 2019**

## EXPERIENCE

**Junior Software Engineer – Intern**

**Mar 2025 - Present**

INGKA Services LLP, IKEA, Bengaluru, Karnataka

- Optimized system performance by 40% through database query refinement and algorithm improvements
- Developed and tested scalable data processing infrastructure using Python and Apache Airflow, reducing workflow processing time by 30%
- Collaborated with cross-functional teams in an Agile environment to implement new features and enhancements

**Java Full Stack Development Intern**

**Oct 2023 – Nov 2023**

Colt Assist Pvt Ltd, Bengaluru, Karnataka

- Debugged software defects in existing applications and improved data retrieval speed by 35% through optimized MySQL queries
- Implemented enhancements to existing software while collaborating with other developers on requirements and documentation

**Python Programming Intern**

**Oct 2022 – Oct 2022**

iPEC Solutions, Bengaluru, Karnataka

- Debugged and enhanced an AI-driven text summarization system, improving processing efficiency by 40%
- Reduced computational complexity through algorithm optimization within established application framework

## PROJECTS

**Online Job Portal** | Django, SQLite3, Bootstrap

- Created to streamline the job search process and connect qualified candidates with employers more efficiently
- Reduced hiring time by 35% for participating companies through optimized database operations and robust user authentication
- Served as a foundation for improving my web development skills and understanding of user authentication workflows

**Real-Time Chat Application** | Django, WebSockets, HTMX

- Developed to address communication gaps in remote work environments requiring instant messaging capabilities
- Improved team collaboration efficiency by 40% with scalable messaging and O(1) retrieval time
- Enhanced my expertise in real-time applications and responsive design principles

**Netflix Movie Recommendation System** | Machine Learning, Python, APIs

- Built to solve the problem of content discovery in large streaming libraries
- Enhanced user engagement by 60% with personalized recommendation techniques while reducing computational costs
- Deepened my understanding of algorithm optimization and practical applications of machine learning

## ACHIEVEMENTS

- Ranked 3rd in Semester 2, maintaining a CGPA of 8.89 **2022**
- Achieved First-Class Distinction (FCD) in Semester-4 **2023**

## ADDITIONAL EXPERIENCE

- **Technical Event Volunteer** at City Engineering College **2023-2024**
- **Academic Tutor** for school students **2021-2024**