PRIYANKA J

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SUMMARY

Software developer with proven problem-solving skills and hands-on experience in algorithm optimization and full-stack development. Strong foundation in data structures with demonstrated ability to improve computational complexity in real projects. Proficient in Python with experience in end-to-end feature development. Eager to leverage technical skills in a fast-paced entrepreneurial environment to create impactful solutions.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, JavaScript
- **Backend Development:** Django, Django REST Framework, FastAPI, REST APIs
- **Frontend:** HTML, CSS, JavaScript, Bootstrap, HTMX
- **Database Management:** PostgreSQL, MySQL, SQLite3
- **Problem-Solving:** Data Structures & Algorithms, Creative Problem-Solving, Complex Problem Resolution
- **Communication:** Clear Technical Writing, Cross-Team Collaboration, Effective Documentation
- **Professional Skills:** Feature Ideation, End-to-End Ownership, Agile Development
- **Tools & Practices:** Git, GitHub, Docker

EDUCATION

City Engineering College, VTU — *Bengaluru, Karnataka*
Bachelor of Engineering in Computer Science, CGPA – 8.89/10 — **Expected Graduation: June 2025**

- **Concentrations:** Web Development, Algorithm Optimization and Software Development
- **Related Coursework:** Data Structures & Algorithms, Operating Systems, Database Management Systems, Full-Stack Development, API Development, Django, Django REST Framework, FastAPIs, Python Programming, Machine Learning

The National College, IInd PUC — *Bengaluru, Karnataka*
PCMCs, Percentage – 86.16% — **June 2020 – July 2021**

Good Earth High School — *Bengaluru, Karnataka*
Class 10, Percentage – 78.08% — **June 2018 – April 2019**

EXPERIENCE

Junior Software Engineer – Intern — **Mar 2025 - Present**
INGKA Services LLP, IKEA, Bengaluru, Karnataka

Improved application performance by 40% through database query optimization and implementing binary search patterns for data retrieval, while collaborating with cross-functional teams in an entrepreneurial environment.

Java Full Stack Development Intern — **Oct 2023 – Nov 2023**
Colt Assist Pvt Ltd, Bengaluru, Karnataka

Enhanced data retrieval speed by 35% through optimized MySQL queries and practiced end-to-end feature ownership within Agile SDLC, from ideation to production.

Python Programming Intern — **Oct 2022 – Oct 2022**
iPEC Solutions, Bengaluru, Karnataka

Built an AI-driven text summarization system improving processing efficiency by 40% and collaborating on algorithm optimization to reduce computational complexity.

PROJECTS

Online Job Portal | *Django, SQLite3, Bootstrap*

Engineered a robust web application with optimized database queries and efficient indexing, implementing end-to-end feature development from user authentication to job application tracking.

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

Developed real-time messaging system implementing queue data structures and threading algorithms, achieving $O(1)$ message retrieval time through optimized data structures.

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

Reduced computational complexity from $O(n^2)$ to $O(n \log n)$ through algorithm optimization, enhancing user engagement by 60% with personalized recommendations.

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**