

KIRAN KRISHNA P

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PROFESSIONAL SUMMARY

Results-driven fresher Software Engineer and final-year BCA Data Science student with hands-on production experience in backend development, REST API design, and database management using Python and PostgreSQL. Contributed to production-grade enterprise applications at Infocreon Solutions. Skilled in Python, Java, SQL, Django, and React.js. Experienced in Generative AI, RAG architecture, and Machine Learning system development. Seeking an entry-level Software Engineer role to build scalable, high-impact technology solutions.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java (OOP), SQL, JavaScript
- **Web Frameworks & Libraries:** Django, React.js, Node.js, REST API Development
- **Frontend:** HTML5, CSS3, Responsive UI Design
- **Databases:** PostgreSQL, SQL (DDL, DML, Query Optimization)
- **AI / Machine Learning:** Machine Learning, NLP, Generative AI, Retrieval-Augmented Generation (RAG), Large Language Models (LLM), Data Pre-processing
- **Cloud & DevOps:** Git, GitHub, Azure, DigitalOcean, Google Colab
- **Core Concepts:** Data Structures & Algorithms, OOP, SDLC, Agile & Scrum, Software Testing, Debugging

PROFESSIONAL EXPERIENCE

Software Engineer **April 2026 – Present**
Infocreon Solutions Private Limited Kochi, Kerala

- Developing and maintaining production-grade backend systems using Python and PostgreSQL, with a focus on scalable REST API design and database optimization
- Collaborating with cross-functional teams in Agile sprint cycles to deliver maintainable, high-quality software solutions
- Participating in code reviews, debugging sessions, and deployment processes to ensure system reliability and performance

Project Intern – Backend Developer **August 2025 – April 2026**
Infocreon Solutions Private Limited Kochi, Kerala

- Contributed to a production-level Job Portal system applying full SDLC: requirement analysis, system design, development, testing, and deployment
- Developed backend logic for workflow-based status transitions and structured database operations using Python and PostgreSQL
- Implemented and debugged RESTful API endpoints, ensuring data integrity and efficient server-side processing
- Promoted to Software Engineer within 9 months based on demonstrated technical performance

PROJECTS

Enterprise Generative AI Knowledge Assistant Using RAG **Jan 2026 – Apr 2026**
Strockx Technologies, Kochi

- Built an enterprise-grade Generative AI system using Retrieval-Augmented Generation (RAG) architecture for accurate, structured knowledge retrieval
- Designed a complete document ingestion pipeline: chunking, vector embeddings, and vector database storage

- Implemented hallucination reduction mechanisms ensuring production-ready reliability
- **Tech Stack:** Python, RAG, Vector Database, LLM, Generative AI

AI-Powered Hiring and Resume Intelligence System

Aug 2025 – Nov 2025

Amrita Vishwa Vidyapeetham, Kochi

- Developed an intelligent hiring platform upgrading traditional ATS systems with Generative AI capabilities
- Implemented semantic resume understanding using Llama 3 (locally hosted LLM) with a privacy-first, zero third-party API design
- Built resume parsing and structured data extraction pipelines integrated with backend candidate evaluation workflows
- **Tech Stack:** Python, Llama 3, NLP, Generative AI, REST API, PostgreSQL

EDUCATION

Amrita Vishwa Vidyapeetham (Amrita School of Arts and Science) Aug 2023 – Dec 2026

Bachelor of Computer Applications (BCA) – Data Science

Kochi, Kerala

- Relevant Coursework: Data Structures & Algorithms, Python Programming, SQL & Database Management, Machine Learning, Artificial Intelligence, Cloud Computing, Software Engineering

CERTIFICATIONS

- **IBM Python for Data Science** – Cognitive Class (2024)
- **IBM Machine Learning with Python** – Cognitive Class (2024)
- **AWS Academy Graduate – Cloud Foundations** – Amazon Web Services (2025)
- **Cisco Data Analytics Essentials** – Cisco Networking Academy (2025)
- **AI Upskilling Certificate: Hands-On Development from Model to App** (2025)
- **Accenture North America – Data Analytics and Visualization Job Simulation** – Forage (2025)

ACHIEVEMENTS

- Promoted from Project Intern to Software Engineer at Infocreon Solutions within 9 months based on technical performance and impact
- Delivered two production-grade AI systems (RAG Knowledge Assistant and AI Hiring Platform) solving real enterprise problems
- Presented technical research and project outcomes in academic and organizational settings