

# ROHITH MOHANAN

Full-Stack Developer | Python, Django & Frappe Specialist

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Open to International Relocation

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## PROFESSIONAL SUMMARY

High-performing Full Stack Developer with 4 years of commercial experience specializing in **Python, Django, and the Frappe framework**. Proven track record of architecting scalable back-end systems, including a **50% reduction in system latency** for enterprise-scale platforms. Expert in AI-augmented development, leveraging LLM tools to accelerate delivery cycles while maintaining a rigorous "human-in-the-loop" approach to security and code integrity.

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## TECHNICAL SKILLS

- **Languages:** Python (Expert), JavaScript/TypeScript, SQL (PostgreSQL/MySQL), C++
  - **Frameworks:** Django, Frappe Framework, ERPNext, React.js, FastAPI, Flask
  - **Tools & DevOps:** Git, Docker, RabbitMQ, Redis, AWS (EC2/S3), CI/CD Pipelines
  - **AI & Automation:** AI Coding Assistants (Claude Code, GitHub Copilot), Automated Testing (Playwright/Pytest), Web Scraping
  - **Methodologies:** Agile/Scrum, Test-Driven Development (TDD), RESTful API Design
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## PROFESSIONAL EXPERIENCE

**KAS Mentor** | *Software Developer* | **Oct 2023 – Present**

- **Performance Optimization:** Redesigned core database queries and implemented advanced caching strategies, resulting in a **50% reduction in page load times** for 10,000+ active users.
- **Back-end Architecture:** Built a scalable e-learning back-end using the **Frappe Framework**, automating complex migrations and reducing manual DevOps tasks by 30%.
- **Full-Stack Integration:** Partnered with UX teams to deliver high-performance React components via the Frappe-React-SDK, improving student engagement by 20%.
- **Security & Integrity:** Integrated Frappe with ERPNext to manage secure financial workflows, ensuring **100% data accuracy** for internal reporting and audit logs.

**Acube Innovations Pvt. Ltd.** | *Software Developer* | **Apr 2022 – Jul 2022**

- **Enterprise Customization:** Customized and maintained ERPNext modules for enterprise clients, translating complex business requirements into technical specifications.
- **Code Quality:** Reduced technical debt by refactoring legacy code and implementing structured documentation for system design and program logic.

## INFOX Technologies | *Python Fullstack Developer* | Oct 2021 – Apr 2022

- **Product Launch:** Spearheaded the end-to-end development and launch of a high-performance, real-time analytics dashboard utilizing **Django**.
- **System Design:** Architected core system design, partnering with cross-functional teams to translate complex data requirements into robust technical solutions.
- **Reliability:** Resolved critical performance bottlenecks and restructured database queries to achieve a **50% reduction in page load times**.

## Oracuz Infotech | *Python AI/ML Intern* | Dec 2020 – Jul 2021

- Developed a **predictive data model** using Python to automate the classification of structured datasets.
- Performed **exploratory data analysis (EDA)** and data cleaning using Pandas and NumPy to improve model accuracy.
- Gained foundational experience in data science libraries and predictive modelling, which laid the groundwork for future AI-augmented development workflows.

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## CORE PROJECTS

### Frontier | **Lead Architect & Developer**

- **Distributed Architecture:** Engineered a centralized server hub acting as an event-driven orchestrator for three distinct mobile applications.
- **Real-Time Logic:** Implemented complex data synchronization and real-time state management using Python and WebSockets.
- **Availability:** Designed for autonomous reliability, ensuring high availability across a multi-tenant environment.

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## EDUCATION & CERTIFICATIONS

### **B.Tech in Computer Science (Discontinued)** | *2 Years Completed*

- Completed foundational coursework in Data Structures, Algorithms, and Operating Systems.

### **Grade 12 (Science - Computer & Maths)** | *Result: 78%*

- Focused on advanced mathematics, logic, and fundamental programming principles.

### **Key Certifications:**

- **Python Essentials 1 & 2 (PCEP/PCAP Path)** | Cisco Networking Academy
- **Deep Learning Specialization (TensorFlow)** | DeepLearning.AI
- **Agile Scrum Master & Kanban** | Udemy | 2024

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**References:** Available upon request.