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AI Software Engineering Intern

4-month Full-time Internship | Hybrid | Reports to Viltrix Technology Leadership

Build Real AI Products and Own a Defined Engineering Project

Viltrix Building Technology LLP develops and brings AI-enabled software solutions to the architecture, engineering, construction, and building technology sectors. We are seeking an exceptional computer science student or recent graduate for a four-month, full-time internship focused on developing advanced AI application capabilities within a commercial software platform.

This is a hands-on, outcome-driven engineering assignment, not a training programme or a prompt-writing role. You will take ownership of a defined technical project, collaborate directly with experienced technology leadership, and deliver working software that is tested, documented, and designed for real users.

Your Mandate

1. **Applied AI Engineering**: Develop and integrate LLM-powered agents, tool-enabled workflows, and retrieval-augmented generation (RAG) capabilities.
2. **Full-Stack Development**: Build production-oriented Python APIs, backend services, and selected user-facing features using modern web technologies.
3. **Data & Integration**: Work with structured and unstructured data, REST APIs, databases, retrieval pipelines, and external service integrations.
4. **Engineering Quality**: Maintain well-structured GitHub repositories, contribute through pull requests, write automated tests, and use CI/CD and developer documentation.
5. **Project Delivery**: Translate clear milestones into working demos, measure performance and reliability, resolve defects, and present a final technical handover.

Who We Are Looking For

A high-performing BE, BTech, BSc, MSc, or MCA student (preferably final-year) or recent graduate in Computer Science, AI/ML, Data Science, or a related discipline. Strong candidates will already have built and deployed meaningful AI applications outside coursework and can commit to a full-time, four-month engagement in a hybrid role.

What You Bring

1. **Core Development:** Strong Python, REST APIs, SQL, Git/GitHub, debugging, and software engineering fundamentals.
2. **AI Application Development:** Practical experience with LLM APIs, tool and function calling, agent frameworks (such as LangGraph), RAG, embeddings, vector search, and prompt/evaluation workflows.
3. **Technical Judgment:** Ability to work with API documentation, handle authentication securely, evaluate accuracy, latency, cost, and communicate trade-offs.
4. **Evidence of Ability:** At least one recent AI tool, application, or agent you have personally built; a live demo, GitHub repository, or short walkthrough is strongly preferred.

Career Growth

A competitive stipend, direct mentorship, meaningful ownership of a defined commercial engineering project, and exposure to advanced international AI product development. Exceptional performance will likely lead to a longer-term opportunity.

How To Apply

Visit the Careers page to email a cover letter with your CV, a brief description of your most challenging AI project, and links to recent AI applications - www.ViltrixBuildTech.com/Careers.

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