

Aniruddha Ghosh

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Objective

Aspiring Software Development Engineer Intern with a strong foundation in full-stack development, AI tools, and problem-solving. Experienced in freelancing, website development, and building innovative applications by integrating modern technologies like LangChain and LLM APIs.

Education

Bachelor of Technology in Computer Science and Engineering

Adamas University, Kolkata, West Bengal

Expected Graduation Year: 2026

Skills

- Programming Languages: Java, JavaScript, Python, C, C++
- Web Development: HTML, CSS, Bootstrap, Node.js, Express.js, MongoDB, Mongoose, WordPress
- AI/ML Tools: LangChain (RAG), OpenAI APIs, Hugging Face, Mistral AI, LLM
- Databases: Firebase Realtime Database, Firestore, SQL
- Other Skills: Data Structures (Stack, Queue, Linked List, Circular Queue), OOP Principles, Prompt Engineering

Experience

- Freelance Web Developer
Divaks Total IT Solutions (March 2023 – Present)

Developed and managed dynamic websites using WordPress for small business clients. Handled website customization, plugin integration, and responsive designs to meet client needs.

Projects

1. File ChatBot

Built an interactive chatbot using Node.js and OpenAI API to process uploaded files (PDF, DOCX, JPEG, PNG).

Enabled real-time Q&A functionality based on the content of the uploaded files.

2. Mac-Inspired Scientific Calculator

Developed a desktop app using Electron with basic and scientific calculation functionalities. Features include memory functions, degree/radian toggle, full keyboard support, and a sleek Mac-style UI.

3. Smart Email Organizer

Created a Python-based email organizer with a PyQt5 GUI to streamline inbox management. Features include customizable rules, email prioritization, incremental email fetching, and automated actions.

4. Document Reader Using LangChain

Implemented LangChain for RAG, integrating embeddings and vector databases to retrieve contextual information from documents.

Additional Information

- **Problem Solving:** Skilled in tackling challenges using AI tools and adaptable programming approaches.
- **Adaptability:** Proficient in switching between technologies and tools to meet project requirements.