

Ahammad Nafiz

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Skills

Languages & Frameworks: Python, NumPy, Pandas, Scikit-learn, PyTorch, langchain, llamaindex, crewai, scanpy, squidpy

Technologies & Tools: AI Agents, LLM, Deep Learning, Computer Vision, NLP, Git, Streamlit, CustomTkinter, Neovim, Linux, VS Code, Figma, Adobe Creative Suite

Project Work

- **[Predicta\(2024- Current\)](#):** Developed an end-to-end ML pipeline for data analysis and prediction, featuring automated feature engineering and model selection, using Python, Scikit-learn, Pandas, Streamlit, and Langchain agents.
- **[FizTorch\(2024\)](#):** Built an educational deep learning framework inspired by PyTorch, implementing autograd, optimization algorithms, and core ML components, along with comprehensive documentation for beginners using Python, NumPy, and Linear Algebra.
- **[Personal Knowledge Assistant\(2025\)](#):** Built with LangChain, Hugging Face, Groq LLM, FAISS, and DuckDuckGo. Multi-Agent RAG combines document processing, smart confidence-based routing, and web fusion. Stack: Fastapi, FAISS (backend) | Next.js, Tailwind, Shadcn (frontend).

Work Experience

Head of R&D

Mar 25 - Current

UIU Data Science Club

Organize and facilitate data science events and workshops to promote student skill development, lead collaborative projects to raise awareness about data science, and mentor peers in learning and project development.

Undergraduate Teaching Assistant

Jun 24 - July 24

United International University

- Lead programming lab sessions for 40+ students in OOP for Data Science.
- Develop and review Python programming assignments focused on OOP concepts.
- Mentor students in debugging code and implementing best practices

Illustrator and Brand Designer

Aug 23 - Current

Freelance

- Create visually compelling illustrations and brand identities for diverse clients using Adobe Creative Suite.
- Conduct market research and competitive analysis to align designs with client objectives.
- Collaborate with teams to ensure cohesive and effective brand messaging across platforms.

Education: B.Sc. in Data Science (DS)

Sep 23 - Present

United International University, Dhaka