

Shakil Ahamed Riaz

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Skills

Languages	C/C++, Python, Java, JavaScript
Frameworks	FastAPI, Django, Django REST Framework (DRF), React, LangChain
Databases	MySQL, PostgreSQL, SQLite
AI/ML	Fundamental - Machine Learning, Generative AI, LLMs, NLP
Tools	Git, GitHub, Basic - Docker, AWS and Google Cloud

Education

B.Sc. in Software Engineering (Major in Data Science) Jan 2022 – Present
Daffodil International University *Current CGPA: 3.50 out of 4.00*
Relevant Coursework: Object-Oriented Programming, Databases, Data Structures and Algorithms, Operating Systems, Artificial Intelligence, Machine Learning

Work Experience

- **Junior AI Engineer** – Codixel Sept 2025 – Present
Implementing AI solutions through developing and optimizing ML models.
- **Research & Python Trainer** – Data Science Lab, DIU Aug 2025 – Present
Conducting Python and data science training for 60+ students, mentoring them in real-world applications and research.
- **Freelance Data & Admin Support** Dec 2020 – Dec 2021
Handled client-focused admin tasks, including lead generation, data management, and business support.

Projects

GreenCart – Carbon-Aware Online Marketplace

- AI-powered e-commerce platform with carbon tracking, smart recommendations, chatbot, and admin analytics. Built with Django, React, and LangChain + Qwen2-7B LLM with Pinecone.

AIply – Recruitment with AI Mock Interviews

- Full-stack Django platform with AI mock interviews (LLaMA 4), job search, dual user roles, real-time voice interviews, secure authentication, and responsive UI with Tailwind CSS and Alpine.js.

BrainHive – AI-Enhanced Knowledge Sharing Platform

- Built a full-stack Django app featuring AI summarization, RAG-based QA, secure authentication, CMS, and responsive UI.

Problem Solving Profiles

- **LeetCode**: Solved 150+ problems on Data Structures and Algorithms
- **Codeforces**: Solved 200+ problems in competitive programming contests
- **Beecrowd**: Top 1% problem solver at Beecrowd, previously known as URI Online Judge
- **vjudge**: Solved 110+ problems on Data Structures and Algorithms

Research Experience

- **Protecting User Privacy in Mental Health NLP through Contextual LLMs** (Accepted)
Secured user privacy in mental health Natural Language Processing by developing a framework that combines LSTM and LLMs with differential privacy, achieving 93.36% accuracy.

Leadership & Extracurricular Activities

- **Deputy, ACM Chapter** – DIU Software Engineering Club
Co-organized 7+ programming contests and workshops for 150+ student participants, leading to a 35% increase in active club membership.
- **Programming Contest Organizer** – DIU Software Engineering Club
Managed end-to-end logistics for 5 intra-university contests, each with an average of 300+ participants. Contributed to a problem set of 10+ algorithmic challenges and served as a judge.
- **Scout Rover Team Lead** – School Level
Led a team of 10+ members, activities, fostering leadership, teamwork, and discipline through national scout events.

Certifications

- **Generative AI Architecture and Application Development** (Coursera) - Aug 2025
- **AWS Academy Machine Learning for Natural Language Processing** (AWS Academy) - Aug 2025
- **AWS Academy Machine Learning Foundations** (AWS Academy) - Jul 2025
- **AI+ Prompt Engineer Level 1** (Microsoft) - Jun 2025
- **Master Git and GitHub - Beginner to Expert** (Udemy) - May 2025