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Objective:

Motivated Computer Science and Engineering student with a focus on Machine Learning and Artificial Intelligence, eager to apply my knowledge to develop intelligent systems and innovative AI solutions while continuously learning and growing in the field. Alongside academics, active involvement in university activities has strengthened my leadership, teamwork, and communication skills. I am an adaptive learner, committed to continuous growth and ready to contribute effectively to any professional or academic environment.

Experience:

- **Trainee Software Engineer (AI) – OrangeBD** (*January, 2026 – Present*)
Working with the AI team on real-world Machine Learning and Artificial Intelligence projects, gaining hands-on experience with **Chatbot, RAG, LangChain, LangGraph, Agentic AI, and Recommendation algorithms**, contributing to the development of intelligent systems and AI solutions, while collaborating with team members to strengthen problem-solving, teamwork, and communication skills.

Education:

- Bachelor of Science in Computer Science and Engineering (2023-Ongoing)
North South University
Bashundhara R/A, Dhaka.
- HSC (2021)
Dhaka College
New Market, Dhaka.
Grade: GPA-5
- SSC (2019)
Udayan Uchcha Madhyamik Bidyalaya
University Of Dhaka, Dhaka
Grade: GPA-5

Projects:

- Agentic RAG Research Assistant
An Agentic RAG Research Assistant is an advanced AI system that goes beyond traditional retrieval by using autonomous agents to plan, analyze, verify, and synthesize information for deeper, more reliable insights.
Github: [Agentic RAG Research Assistant](#)

- MultiAgent Ai Assistant
Multi-agent RAG chatbot with order management, employee leave workflows, JWT auth, and an admin dashboard, built with FastAPI, PostgreSQL, Redis, OpenSearch, and a vanilla JS embed widget..
Github: [MultiAgent-Ai-Assistant](#)
- University Management System
Designed a complete university portal using Java with an object-oriented approach. Integrated role-based dashboards for administrators, teachers, and students, enabling efficient academic and administrative operations.
Github: [University-Management-System](#)

Skills:

Languages: Python, SQL, C++, Java, C

AI/ML: Machine Learning, Deep Learning, RAG, Recommendation Systems, NLP

Libraries: TensorFlow, Scikit-Learn, Pandas, NumPy, OpenCV, LangChain, LangGraph

Backend: FastAPI, Django, Flask, REST APIs

Databases: MySQL, PostgreSQL

Tools: Git, GitHub, Docker, MLflow

Web: HTML, CSS, JavaScript

Documentation: Microsoft PowerPoint, Microsoft Excel, Microsoft Word

Extracurricular Activities:

- President, Dhaka College Science Club (2021-2022)
Led the organization of the country's largest national science event, 7th DCSC National Science Carnival, Supervised and coordinated an inter-college science exposition promoting innovation and scientific curiosity among students.
- Associate Executive, North South University HR Club (2024-Ongoing)
Played a key role in organizing the club's flagship event Calibration 4.0 and the popular Epitome 3.0 program, Contributed to event planning, team coordination, and partnership communications to ensure successful execution.
- Institute Representative, Volunteer for Bangladesh
-Collaborated with teams to organize awareness campaigns and contribute to sustainable social development projects.

References

Dr. Mostofa Kamal Nasir
Professor,
Department of Electrical and Computer Engineering
Mawlana Bhashani Science and Technology
University (MBSTU)
Adjunct Faculty,
North South University (NSU)
Email: kamal@mbstu.ac.bd

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