Intesar Tahmid

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Education

University of Dhaka   March 2025
Bachelor of Science in Computer Science and Engineering   *Dhaka, Bangladesh*
- **Relevant Coursework:** Data Structures and Algorithms (C++), Probability & statistics, Object Oriented Programming(Java), Software Design Pattern(Java), Artificial Intelligence(Python)

Notre Dame College, Dhaka   2017-2019
Higher Secondary Certificate   *Dhaka, Bangladesh*

Experience

Penta Global Ltd   Jun 2025 – Present
AI Engineer   *Onsite*
- Working on a telecommunication project where we automate the whole process using agentic and LLM based solutions.

Data Elysium Software Inc   Jan 2025 – May 2025
Software Development Intern (Jan 2025 – Mar 2025), PM and Research (Apr 2025 – May 2025)   *Onsite*
- Contributed to developing "Affortable AI," a pay-as-you-go chatbot service integrating various LLMs.
- Since April 2025, transitioned to a full-time role in the Product Management and Research team.

Learnstone LLC   Feb 2024 – April 2024
Software Engineering Intern   *Remote*
- Developed reusable Vue.js components for optimal maintainability and used FastAPI for backend development.
- Leveraged TypeScript for robust type safety, enhancing code maintainability and reducing runtime errors.

Projects

MediKey | *Spring boot, React.js, Amazon Web Services*
- Developed a Java-based web application for appointment booking and doctor discovery
- Integrated an AWS-powered chatbot for AI-driven symptom analysis and doctor recommendations

JobGenie | *FastAPI, React.js, MongoDB*
- Developed a web application that automatically generates a designed CV based on user-provided personal and professional details.
- Implemented job search functionality by scraping relevant job listings tailored to the user's profile and qualifications.

OyeAmigo | *Kotlin, Android SDK, Firebase*
- Built a Kotlin-based social media application for fostering connections based on shared preferences
- Leveraged Kotlin's null safety and concise syntax for a cleaner codebase, and improving app performance.

Technical Skills

Languages: Python, Java, C++, SQL, Kotlin
Technologies: FastAPI, PyTorch, Pandas, Numpy, React.js, Spring Boot, Pinecone, Redis, Android SDK, MySQL, Git

Additional Experience

Certification
- **Google IT Support Specialization by Coursera** | Credential
- **DataCamp** | Developing AI systems with OpenAI API

Problem Solving
- I have solved over 200 problems from several reputed online judges (Codeforces and LeetCode).

Social Engagements

Vice-President: CSEDU Student's Club, Dept of CSE, University of Dhaka
Quizzer : Notre Dame English Club, Notre Dame College
Debater: Josephite Debating Club, St Joseph Higher Secondary School

Research Papers

C=Conference, W=Workshop

[W] **Intesar Tahmid***, Rafid Ahmed*, Md Mahir Jawad, Anam Borhan Uddin, Md Fahim, Md Farhad Alam Bhuiyan – *PentaML @BLP Shared Task 1: Linear Probing of Pre-trained Transformer based Models for Bangla Hate Speech Detection*

[W] Rafid Ahmed*, **Intesar Tahmid***, Mir Sazzat Hossain, Tasnimul Hossain Tomal, Md Fahim, Md Farhad Alam – *How Good LLMs Are at Answering Bangla Medical Visual Questions? Dataset and Benchmarking*

[C] Tasnimul Hossain Tomal*, **Intesar Tahmid***, Rafid Ahmed, Mir Sazzat Hossain, Md Fahim, Md Farhad Alam – *Decoupling Representation for Fine-tuning with Linear Probing and LoRA on Robust Downstream Adaptation[Under Review]*