# TAHMID ALVEE

MERN Stack Developer | Data Scientist
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## PROFESSIONAL SUMMARY

Computer Science & Engineering undergraduate at International Islamic University Chittagong, specializing in Data Science and MERN Stack web development. Experienced in building end-to-end machine learning pipelines and deploying them through production-ready web interfaces. Active competitive programmer with 350+ problems solved on Codeforces and LeetCode. Currently a Research Intern at FOUNDRY Lab.

## EDUCATION

**B.Sc. in Computer Science & Engineering** 2023 – 2027 (Expected)
*International Islamic University Chittagong (IIUC), Chittagong, Bangladesh*
CGPA: 3.75 / 4.00 (through 6th semester)

## PROFESSIONAL EXPERIENCE

**Research Intern** — FOUNDRY Lab, IIUC Jul 2026 – Present | Chattogram, BD
- Contributed to an ongoing research paper as part of a university-affiliated AI research team under faculty guidance.
- Conducted literature review, data analysis, and experimentation while maintaining research integrity and academic standards.
- Co-developed research papers, reports, and technical documentation.

**Data Scientist** — Personal & Academic Projects Jan 2024 – Present | Chittagong, BD
- Built and trained machine learning models for predictive analysis and pattern recognition using Python, Pandas, and Scikit-Learn.
- Performed exploratory data analysis and visualization; developed working knowledge of deep learning (neural networks & CNNs).

**MERN Stack Developer** — Personal & Academic Projects Jan 2024 – Present | Chittagong, BD
- Built multiple web applications using the MERN stack (MongoDB, Express, React, Node.js) with clean UI and RESTful APIs.
- Practiced version control and collaborative development workflows using Git & GitHub.

## KEY PROJECTS

**Employee Management System** — Backend Developer 2026
MERN stack, role-based enterprise system with separate Admin and Employee dashboards supporting attendance tracking, leave applications, and automated payslip generation. Technologies: React, Node.js, Express, MongoDB, Tailwind CSS.

**UniVault** 2026
Academic project-showcase platform enabling students to upload, explore, and manage projects with authentication and dashboards. Technologies: React, Vite, Tailwind CSS, JavaScript, Netlify.

**FIFA World Cup 2026 Winner Prediction** 2025
Machine learning tournament simulator predicting the FIFA World Cup 2026 champion from historical match data in a beginner-friendly Jupyter Notebook. Technologies: Python, Jupyter, Pandas, Scikit-Learn, Machine Learning.

**Insurance Charges Prediction** 2025
Exploratory data analysis, feature engineering, encoding, and scaling on the Medical Insurance dataset to predict individual insurance charges. Technologies: Python, Pandas, Seaborn, Scikit-Learn, SciPy.

## TECHNICAL SKILLS

Languages: C++, C, Python, Java, JavaScript, TypeScript, C#, Dart
Data Science & AI: Pandas, NumPy, Scikit-Learn, TensorFlow / PyTorch, Data Analysis, Data Visualization, Matplotlib / Seaborn
MERN Stack: MongoDB, Express.js, React.js / Next.js, Node.js, HTML5, CSS3, Tailwind CSS, RESTful APIs
Databases: MongoDB, MySQL, PostgreSQL, SQL
Mobile & Game Development: Flutter, Dart, Unity, C#, Scratch
Tools & Platforms: Git & GitHub, Docker, Postman, VS Code, FastAPI / Flask, Jupyter Notebook

## CERTIFICATIONS

- Coursera, IBM: Machine Learning with Python (2026); Data Visualization with Python (2026)
- Coursera, Duke University: Data Science Math Skills (2026)
- Coursera, University of Michigan: Python Basics (2026)
- Grameenphone Academy: AI & Machine Learning Fundamentals (2025); AI Prompt Engineering (2025)
- Phitron: C++ Programming & Problem Solving Bootcamp (2025)
- Professional Training: AI Automation for Work & Business (2025)

## ACHIEVEMENTS & ACTIVITIES

- NASA International Space Apps Challenge 2024 — Global Hackathon Participant
- IIUC CSS Fest 2026 — Datathon Participant
- Robo Genesis Workshop — Line Following & Robo Soccer (IIUC EEE Club & IEEE IIUC Student Branch, 2025)
- IIUC Tech Fest 2025 — Deep Learning Seminar (IEEE Computer Society, IIUC)
- 350+ algorithmic problems solved on Codeforces & LeetCode