# Adit Mugdha Das

mailbox.mugdha@gmail.com — +8801718108344 — www.adit-mugdha-das.com.bd — GitHub

## PROFESSIONAL SUMMARY

Computer Science undergraduate specializing in Machine Learning and Software Development. Passionate about AI, problem-solving, and building scalable applications. Proficient in Python, Java, TensorFlow, and Laravel, with hands-on experience in data processing, numerical computing, and system design.

## SKILLS

- **Programming:** Python, Java, JavaScript, C++, PHP
- **Web & Mobile:** Laravel, FastAPI, Android Studio, JavaFX, HTML, CSS, Node.js
- **Databases:** MySQL, JDBC, Oracle, PostgreSQL
- **Machine Learning & AI:** Pandas, Scikit-Learn, TensorFlow, Keras, NLP, Computer Vision, Neural Networks, Sequence Models
- **Deep Learning:** CNNs, RNNs, LSTM, GRU, Triplet Loss, Optimization Techniques
- **Data Science:** Data Cleaning, GIS, Automation
- **Computing:** Regression, Classification, Hyperparameter Tuning, Optimization, Regularization, Algorithm Design
- **Digital Design:** Logisim, CPU & ALU Design
- **Version Control:** Git

## EDUCATION

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|---|---:|
| **Bachelor of Science (BSc) — Computer Science & Engineering** | 2023 – 2027 |
| Khulna University of Engineering & Technology (KUET) | CGPA: 3.69 (First 4 Semesters, out of 4.00) |
| **Higher Secondary Certificate (HSC) — Science** | GPA: 5.00 |
| BAF Shaheen College, Dhaka | |

## WORK EXPERIENCE

**Data Analysis Experience** – Summit Communications Ltd., Dhaka, Bangladesh — Dec 2024 – Mar 2025
- Developed an Internet Service Locator using Google Places API for automated data retrieval.
- Contributed to GeoCleanser, a Python-based GIS data validation tool.
- Gained hands-on experience in data migration and automation workflows.

## PROJECTS

- **DreamWeaver** (Laravel, Blade, Tailwind CSS, NLP) – AI-augmented cognitive platform integrating computational creativity and narrative intelligence for dream analysis.
- **Mind Mapping App** (Java, JavaFX, MySQL, JDBC) – Desktop tool for structured idea representation.
- **GeoCleanser** (Python, pandas, openpyxl, NumPy) – Built a coordinate cleaner & validator for geospatial analysis.
- **Service Locator** (Python, Google API, folium, Matplotlib) – Automated ISP mapping using API integration.
- **Numerical Solver** (Python, Tkinter, SymPy, SciPy) – GUI-based solver for numerical computations.
- **22-Bit CPU** (Logisim, Digital Logic Simulator) – Designed CPU architecture with ALU and memory.
- **Digital Clock** (Logisim, Flip-Flops, Counters) – Simulated a working digital clock with sequential logic and circuit timing.
- *Additional projects and detailed documentation available on GitHub and portfolio website.*

## PORTFOLIO & CERTIFICATIONS

**Portfolio**
- Personal Portfolio Website – https://www.adit-mugdha-das.com.bd
- GitHub – https://github.com/Adit-Mugdha-das

**Certifications**
- **Deep Learning Specialization** – DeepLearning.AI, via Coursera (2025)
- **Machine Learning Specialization** – Stanford Online, via Coursera (2025)
- **Best Project Award – KUET (2025)** – "DreamWeaver", Web Programming Course (CSE, KUET)
- **Best Project Award – KUET (2024)** – "Mind Mapping Application", Advance Programming Course (CSE, KUET)
- **LeetCode Problem Solving** – Solved 600+ DSA problems
- **Certified AI+ Prompt Engineer Level 1™** – AI Certs (Jun 2025)
- **Copilot Productivity Suite Certification** – Microsoft Learning (Jun 2025)
- **Best Talent (Mathematics & CS)** – Sylhet District Education Office (2018)