

S M Minhazul Islam

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EDUCATION

M.Sc. in Artificial Intelligence for Industrial Applications

[incomplete]

Ostbayerische Technische Hochschule Amberg-Weiden [🔗](#)

Courses : Python Programming, Machine Learning, Deep Learning, Computer Vision, Software Development Project, etc

B.Sc. in Mechanical Engineering

Chittagong University of Engineering and Technology [🔗](#)

PROJECTS

RAG-Based PDF Chatbot [🔗](#)

Built a Streamlit app to enable natural language Q&A over uploaded PDFs using Retrieval-Augmented Generation (RAG) with Google Gemini API.

Tech: Streamlit, Langchain, Gemini API, FAISS,

Skin Cancer Multi-Task Learning [🔗](#)

Built a deep learning model using a shared ResNet18 encoder for simultaneous lesion segmentation and classification with the HAM10000 dataset. Applied object-oriented programming principles to design clean and reusable components.

Tech: PyTorch, OpenCV, ResNet18, U-Net, Multi-Task Learning

AI ChatBot [🔗](#)

Developed a web app with FastAPI backend and Groq's Llama 3.3 model., featuring a custom chat UI using HTML, CSS, and JavaScript.

Tech: FastAPI, Groq, HTML, CSS, JavaScript.

Project Management Application [🔗](#)

Contributed to backend development using Java Spring Boot to create RESTful APIs for seamless communication between the frontend and database. Utilized Git for version control and Jira for task tracking, supporting agile team collaboration and on-time delivery.

Tech Stack : Java, Spring Boot

Todo web app [🔗](#)

Built a task management web app with features for task creation, categorization, and due-date tracking. Designed a responsive UI and managed development with Git, ensuring seamless functionality across devices.

• **Tech :** Django (Python), Bootstrap

SKILLS

Programming: Python (Pandas, NumPy, Scikit-learn, TensorFlow, Pytorch, OpenCV), Javascript (Basic) | **AI & ML:** CNNs,

RNNs, GANs, Transformers, Transfer Learning, Langchain, RAG, LLMs, | **Back-End Technology:** Django, FastAPI |

Front-end Technology: React | **Database:** MySQL, PostgreSQL | **Data Analysis & Visualization:** Power BI, Excel,

Matplotlib, Seaborn, Plotly | **Cloud Services:** AWS (Basics) | **Automation Tools:** Zapier (Basics), n8n |

Software & Tools: Git, Linux, Docker, MS 365 (PowerPoint, Excel)

PROFESSIONAL EXPERIENCE

Bangla CAT

01/2022 – 12/2022 | Bangladesh

Graduate Trainee Engineer

- Automated post-sales reporting workflows using Python and Excel, cutting manual effort by 50%
- Designed and deployed interactive Power BI dashboards, improving reporting speed and business visibility
- Conducted sales trend analysis leading to a 10% increase in revenue by identifying strategic gaps
- Built Python-based scripts to enhance reporting accuracy and data availability

LANGUAGES

- English
- Bengali

CERTIFICATES

Introduction to Data Science in Python [🔗](#)

(Coursera & University of Michigan) [🔗](#)

SQL for Data Science [🔗](#)

(UC Davis & Coursera)

Machine Learning Specialization [🔗](#)

(Deep Learning AI & Stanford University)

Excel Skills for Business Essentials [🔗](#)

(Macquarie University & Coursera)