

Abdul Lattif Muaaz

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Education

B.Sc. (Hons) Computer Science <i>SLIIT City UNI (University of Bedfordshire, UK)</i>	Reading
Higher National Diploma in IT <i>SLIIT City UNI (University of Bedfordshire, UK)</i> (GPA - 3.4)	03/2024 - 11/2025
Foundation Certificate in IT <i>SLIIT City UNI (University of Bedfordshire, UK)</i> (GPA - 3.2)	03/2023 - 11/2023

Professional Experience

Web Developer (Part Time) <i>Nierwell (Pvt) Ltd.</i>	05/2025 - Present Hybrid
<ul style="list-style-type: none">• Development of an E-Commerce software using the MERN Stack.• Collaborated for database designing, coding and managing along with collaboration for the designing and planning phase of the software.• Lead the technical team towards the deadlines and arrange technical meetings	

Search Operations Intern <i>PickMe Digital Mobility Solutions Lanka PLC</i>	07/2025 - Present On-site
<ul style="list-style-type: none">• Contributing to the improvement of search functionality at PickMe Food & Market by supporting tagging systems and assisting in refining algorithm rules on the technical side.	

Technical Skills

Languages: Typescript, Javascript, Python, Java, CSS

Frameworks & Libraries: React, Next.js, Node.js, Express.js, Tailwind CSS

Databases: MongoDB, MySQL, Supabase, Vector DB

Machine Learning & Data Tools: scikit-learn, pandas, NumPy, spaCy, sentence-transformers, SciPy

ML Techniques: Text Classification, Semantic Search, Clustering, Summarization, Similarity Scoring, Basic Feature Engineering, Data Cleaning

Developer Tools: Git, GitHub, Trello, Postman, Vercel, Render

Other: REST APIs, basic Web Scraping, CSV/Excel data handling

Design Tools: Figma, Wireframing, Prototyping, Basic UI/UX Principles

Projects

CineMatch AI

12/2025

Movie Recommendation System

[Live Link](#) ↗ [Source Code](#) ↗

Tech Stack: Next.js, TypeScript, Tailwind CSS, Framer Motion, FastAPI (Python), Pinecone, sentence-transformers, TMDB API

- A world-class hybrid movie recommendation engine powered by Semantic AI, Pinecone Vector DB, and a VOD-style UI. It uses Natural Language Processing to understand "vibes" rather than just keywords.

StuLearn AI

11/2025

Research Workspace

[Source Code](#) ↗

Tech Stack: Next.js, TypeScript, TailwindCSS, Shadcn UI, Node.js, Express, MongoDB, FastAPI (Python), HuggingFace ML models

- An AI-powered research workspace that transforms PDFs into a queryable knowledge graph. Features semantic search, auto-summarization, and topic clustering using local LLMs (HuggingFace) and a MERN stack.

ProductMatcher

10/2025

SKU Matching Engine

[Source Code](#) ↗

Tech Stack: Python, sentence-transformers (NLP embeddings), Semantic + Keyword Matching, Pandas (CSV/Excel Data Processing)

- An AI-powered engine integrated into a desktop software to intelligently match, clean, and tag product SKU data in batches using a product catalog.

UNiBUD.LK

05/2025 – Present

Student Accommodation System

[Live Link](#) ↗

Tech Stack: React, Typescript, Express, Node.js, MongoDB, Firebase

- A service system to bridge the gap between landlords and students for easy accommodation finding.

HR Payroll System

08/2025 – Present

Human Resources Information System

[Live Link](#) ↗

Tech Stack: React, Typescript, Node.js, MongoDB, TailwindCSS, Express

- An administrative system for employee, attendance, leave, announcement, payroll and profile management.