

Mahim Chowdhury Katha

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BSc CSE Graduate (Data Science) — Machine Learning & AI

PROFILE

BSc in Computer Science & Engineering (Data Science) graduate from East West University with hands-on experience in machine learning, deep learning, and computer vision. Completed five AI/ML research projects and three certifications, with four more in progress. Brings entrepreneurial drive from 2.7 years running a self-funded e-commerce business. Seeking a postgraduate or professional opportunity in Artificial Intelligence and Data Science.

WORK EXPERIENCE

Sep 2023 – Present Dhaka, Bangladesh	Founder & Owner Purple Daze — Online Retail Business (Self-employed) - Managed product importing, supplier negotiation, inventory, and end-to-end order fulfilment via social media channels. - Handled financial budgeting, accounts, monthly P&L tracking, and marketing strategy for a self-funded e-commerce startup. - Led a small team, developing leadership, client communication, and operational coordination skills.
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ACADEMIC & RESEARCH PROJECTS

Tomato Leaf Disease Classification <i>East West University PyTorch, CNN, Grad-CAM, Python</i> Trained a CNN to classify tomato plant diseases from leaf images; applied Grad-CAM for model interpretability and evaluated with accuracy, precision, recall, and F1.
Wall Crack Detection <i>East West University Python, CNN, Image Processing</i> Researched automated structural defect detection; implemented a CNN-based feature extraction pipeline with a documented research report.
Rice Varieties Classification <i>East West University Python, Scikit-learn</i> Built a multi-class ML classifier with a full preprocessing pipeline, evaluated using confusion matrix metrics.
Smart Vehicle Parking Finder with Dynamic Pricing <i>East West University HTML, CSS, JavaScript</i> Developed a real-time parking solution with occupancy-based dynamic pricing and a responsive frontend interface.
Network Simulation Projects <i>East West University Cisco Packet Tracer</i> Designed and simulated enterprise LAN/WAN topologies including VLAN, RIP/OSPF routing, and ACL configuration.

PERSONAL SKILLS

Mother tongue	Bengali
Other language(s)	English — Reading: Advanced, Writing: Advanced, Speaking: Intermediate (self-assessed; formal IELTS score to follow)
Communication & organisational skills	Team leadership, client communication, and operational coordination gained from 2.7 years founding and running an e-commerce business; supplier negotiation and budget management.
Job-related skills	Programming: Python (ML/Data), JavaScript, HTML5, CSS3, Bootstrap 4 Machine Learning & AI: PyTorch, CNN, Grad-CAM, Logistic Regression, model training & evaluation, dataset preparation Data & Analytics: Data preprocessing & visualisation, Power BI dashboard creation, statistical analysis Networking: Cisco Packet Tracer (LAN/WAN simulation, RIP/OSPF routing, switching, ACL configuration)
Digital skills	MS Word, Excel, PowerPoint, Git, GitHub, Google Workspace

CERTIFICATIONS & COURSES

COMPLETED	IN PROGRESS — Ostad Online Learning Platform, Bangladesh
Introduction to Python Programming Bohubrihi, Shikho Technologies Bangladesh — Aug 2025	Cisco & MikroTik Networking
HTML5, CSS3 & Bootstrap 4 for Web Development Bohubrihi, Shikho Technologies Bangladesh — Jun 2026	Data Science & Machine Learning with Python
Power BI Dashboard Mastery Bundle Academy of Business Professionals (ABP) — May 2026	Full Stack Vibe Coding using AI • by Projoss
	AI & ML Bootcamp

EDUCATION AND TRAINING

Jun 2020 – Apr 2026 Dhaka, Bangladesh	BSc in Computer Science & Engineering (Major: Data Science) East West University CGPA: 3.01 / 4.00 Coursework: Machine Learning, Deep Learning, Computer Vision, Data Structures & Algorithms, Computer Networks, Probability & Statistics, Linear Algebra, Discrete Mathematics, Database Systems.
2017 – 2019 Dhaka, Bangladesh	Higher Secondary Certificate (HSC) — Science Mohammadpur Preparatory Higher Secondary School GPA: 4.08 / 5.00 — Passed 2019

REFERENCES

Mohammad Akibul Hasan Arman	CEO, Purple Daze Phone: 01868936000 Email: abarmanoffice@gmail.com
Dr. Md Sawkat Ali	Associate Professor, Dept. of CSE, East West University Phone: 01789492705 Email: alim@ewubd.edu