# Mannan Hossain

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**Profile Summary:**

Detail-oriented MCA student with hands-on experience in Python, Machine Learning, and Front-End Web Development. Proficient in building AI-powered applications using TensorFlow, Pandas, and CNN. Passionate about developing real-world projects in web and data-driven domains..

## Education

**Maulana Abul Kalam Azad University of Technology**

*Master of Computer Applications (MCA) — *Ongoing*

September 2023 – Present
Haringhata, Nadia, West Bengal,India

**Gangarampur College**

Bachelor of Computer Applications (BCA) —
*CGPA:7.69/10*

August 2020 – June 2023
Gangarampur, Dakshin Dinajpur, West Bengal, India

**Nayabazar High School **
Higher Secondary;*Percentage:78*

April 2018 – June 2020
Gangarampur, Dakshin Dinajpur, West Bengal, India

**Puratan Gangarampur High School**

Matriculation — *Percentage: 53%*

April 2016 – March 2018
Gangarampur, Dakshin Dinajpur, West Bengal, India

### COURSEWOK

**Courses:** Object-Oriented Programming, Dbms,Computer Networks, OperatingSystems,Web Development

**Technical  Skills:**

- **Languages:** Python (Advanced), JavaScript, C
- **Web Technologies:** HTML, CSS, JavaScript, Node.js
- **Frameworks/Libraries:** TensorFlow, NumPy, Pandas
- **Databases/Tools:** MySQL, SQL, Git, GitHub, VS Code
- **Others:** Typing Speed 40 WPM (95% Accuracy)

## Projects

**Tour and Travel Management System**
**April 2023 — PHP, MySQL, HTML, CSS, JavaScript**

- Developed a responsive web application for managing tour packages and bookings.
- Conducted booking interface testing, resolving 3+ issues to boost performance and user experience by 20%.
- Implemented user authentication protocol, using PHP and SQL databases, fortifying user data protection and slashing unauthorized access attempts by at least 65% within one week.

**Netflix Clone**
**June 2024 — HTML, CSS, JavaScript**

- Built a streaming platform UI similar to Netflix with responsive layout and intuitive navigation.
- Engineered a fully responsive user interface for a streaming platform, ensuring seamless usability across devices and browsers, resulting in a 30% increase in mobile user engagement.

**Breast Cancer Detection Using Deep Learning**
**Python, TensorFlow,, Pandas, Matplotlib**

- Developed a CNN model using TensorFlow that classified breast cancer images with 90% validation accuracy, using a dataset of 5,000+ images. Reduced model loss by 25% through data augmentation and dropout tuning.
- Achieved 90% accuracy through data preprocessing, augmentation, and model optimization.
- Applied data preprocessing, augmentation, and model evaluation (confusion matrix, precision-recall).

**Interests:** Traveling, Photography, Video Editing, Dancing, Watching Tech & Sci-Fi Content.