

# AMUL TIWARY

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[Gmail](#) ✦ [LinkedIn](#) ✦ [Github](#) ✦ [Portfolio](#)

## EDUCATION

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**Master of Computer Application**, Maulana Azad National Institute of Technology Expected 2026  
CGPA: 7.61

**Bachelor of Computer Application**, Prabudh Institute of Technology and Management 2017 - 2020  
Percentage: 75.96

## TECHNICAL SKILLS

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Languages	Python, Java, JavaScript, C
Web & API	Django, REST API, HTML, CSS, React, Tailwind, Bootstrap
Backend	Node.js, Express.js, Socket.IO
Cloud & DevOps	Docker, AWS (Basic), Jenkins, Git, GitHub
Database	MySQL (Indexing, Normalization), MongoDB
CS Fundamentals	Operating Systems, Networking (TCP/UDP), DSA, SDLC
Tools	JIRA, VS Code, Postman
ML	NumPy, Pandas, TensorFlow, Keras

## RELEVANT EXPERIENCE

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### ProConnect — A Professional Networking Platform (MERN)

- Developed scalable backend using **Node.js**, **Express.js**, and **RESTful APIs**.
- Integrated **Socket.io** for real-time messaging, notifications, and presence tracking.
- Used **Multer** for file uploads and **MongoDB** for database design and optimization.
- Employed **Redux** for state management and Tailwind for a responsive UI.

### Handwritten Digit Recognition (AI Project)

- Built a CNN model using TensorFlow/Keras on the EMNIST dataset.
- Designed a Streamlit UI and implemented real-time model predictions.
- Focused on model optimization, system integration, and interactive API deployment.
- Integrated image preprocessing techniques like thresholding and normalization to improve prediction accuracy.
- Applied one-hot encoding and categorical cross-entropy for multiclass classification with high precision.

### Food Ordering App — Swiggy Clone

- Created frontend with React + Redux and implemented **API-based dynamic data fetching**.
- Used both **SQL and MongoDB** for structured and unstructured data storage.
- Focused on responsiveness and app performance optimization.
- Implemented search, filtering, and cart functionality for a complete user journey.

## ACHIEVEMENTS & CERTIFICATIONS

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- Ranked **373rd** in NIMCET (NIT MCA Entrance) through consistent preparation.
- Solved **300+ DSA problems** on LeetCode, GfG, and other platforms.
- **Captain of College Cricket Team** – led the team to finals.