

# NEIL MANDLIK

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## WORK EXPERIENCE

### iMocha

Front End Developer Intern

September 2025 – December 2025

*Skills Intelligence Platform*

- Engineered new component workflows by orchestrating store, API, and UI layers, streamlining cross-component communication.
- Refactored and modularized large Angular components into generalized components, reducing duplication and improving scalability.
- Reduced workload **from an entire team to just 1–2 people** by pre-screening resume and streamlining the hiring process.

### CraftAI

Backend Developer Intern

June 2025 – August 2025

*Backend Analytics Application with Rollback and Drill Down*

- Led backend development** for an analytics dashboard using MVC architecture
- Owned database design** with flexible SQLAlchemy ORM models; and delivered dynamic chart/table endpoints for interactive data exploration
- Cut reporting time from 2 days to under 30 minutes** by providing quick high priority insights and detailed reports as well.

### 480PS

Full Stack Developer Intern

June 2024 – January 2025

*Product Lifecycle Tracker via QR Code identification*

- Contributed to designing a responsive chatbot interface and adaptive sidebars using CSS media queries for the application.
- Implemented dynamic React Tables with editable and clickable cells.
- Used Redux for managing global state across modules.
- Reduced client update time from 2–3 hours to just a few seconds** by implementing automated notifications and QR-code based tracking.

## PROJECTS

### Syllabus Evaluator for University Curriculum

- Created a multi-agent AI system to analyze and compare university syllabi with accreditation body requirements.
- Configured agents for document parsing, semantic similarity scoring, and structured feedback generation with improvement insights.
- Cut-down accreditation evaluation time from 1 day to 10 minutes**, enabling universities to streamline reviews and make faster decisions

### Airline Customer Support Chatbot

- Built a multi-agent chatbot using OpenAI API to handle ticket pricing/booking, voice responses, and destination image generation.
- Reduced dependency on human support by providing instant flight details and confirmations.

### Assignment Submission and Monitoring System

- Led the project end-to-end**, building the full stack: frontend (HTML/CSS), backend (Flask), and middleware APIs
- Designed highly normalized SQL tables and MongoDB NoSQL collections.
- Enabled real-time assignment monitoring and automated evaluation features.
- The application is being built to support **3000+ students, 150 faculty members, and 30 administrators**, reducing faculty workload and **generating 200+ detailed reports** with aggregated insights for administrators.

## SKILLS

**Programming Languages:** TypeScript, Python, JavaScript, Java

**Web Development:** HTML, CSS, React, Angular, Express.js, Flask, Node.js, Gradio, Redux, NgRX Signal Store

**Networking & Security:** JWT Authentication, Socket Programming

**Cloud & DevOps:** Microsoft Azure, AWS, Linux/WSL

**Databases & Tools:** MySQL, Microsoft SQL Server, SSMS, SQLAlchemy, Sequelize, BeautifulSoup

**AI & Automation:** OpenAI API

**Security Tools:** Nmap, Nikto, SQLMap

**Version Control:** Git, GitHub

**Development Tools:** VS Code, Postman, Python-dotenv, Virtual Environments

## EDUCATION

### MIT ADT UNIVERSITY

Bachelors in Technology (B.Tech), Computer Science and Engineering

August 2022-Present

GPA: 9.01

June 2020-May 2022

Percentage: 93%

### City International School

Junior College

## CERTIFICATIONS

- Infosys Machine Learning Certificate
- AWS Academy (Cloud Foundation, Cloud Deployment) Certificates
- Cisco Networking Basics Certificate