

# Meet Patel

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## EDUCATION

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### Michigan State University

Bachelor of Science in Computer Science, Minor in Business

May 2025

GPA: 3.8

**Relevant Coursework:** Intro to Programming I & II, Discrete Math, Data Structures and Algorithms, Computer Organization & Architecture, Object-Oriented Software Design and Computer Systems

## EXPERIENCE

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### Software Engineering Fellow

Headstarter AI

Incoming

Remote

### Undergraduate Learning Assistant

Michigan State University

August 2023 – Present

East Lansing, MI

- Facilitate weekly labs and help room where students can receive guidance pertaining projects and homework in Python
- Collaborate with the teaching faculty and contributed new ideas on teaching ensuring optimal learning for students
- Grade projects and provide students with feedback to improve programming technique and efficacy
- Lead to a 15% improvement in class average grades and student learning.

### Data Science Virtual Intern

The Global Tech Experience

June 2023 – August 2023

Remote

- Engaged in a dynamic virtual internship acquiring hands-on expertise in data analytics and database management
- Participated in weekly projects involving real world data applying analytical skills
- Contributed to the practical application of coding in data-driven scenarios
- Acquired proficiency in SQL, Tableau, Pandas and NumPy libraries earning a specialist certification and badge

## PROJECTS

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### Stock Trend Predictor | Python, Scikit-Learn, Keras, Streamlit, Pandas, NumPy, Matplotlib

- Developed a Stock Trend Predictor web application with a focus on user-friendly stock trend analysis
- Implemented a machine learning model using Keras Sequential Model and layers like Dense, Dropout and LSTM
- Demonstrated analytical skills through in-depth stock trend analysis
- Contributed to effective decision support for investors

### StudyPal | Python, Firebase, JavaScript, HTML/CSS

- Lead a team in a hackathon to develop a full-stack web application using Firebase with HTML/CSS as frontend
- Implemented a matchmaking algorithm to connect students who want to study together
- Enabled effective communication among matched students, fostering a collaborative and productive study environment
- Demonstrated exceptional problem-solving skills and coding proficiency in a time-sensitive environment

## TECHNICAL SKILLS

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**Languages:** Python, C/ C++, Java, SQL, Assembly, HTML/CSS, JavaScript

**Frameworks:** React, Node.js, Flask, FastAPI

**Tools:** Git, VS Code, PyCharm, CLion, Jupyter Notebooks, IntelliJ, Eclipse

**Libraries:** Pandas, NumPy, Matplotlib