Mann Patel

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PROFILE SUMMARY

Computer Science student seeking an internship in software development or Data Science. Experienced in developing data-driven solutions, automation scripts, and practical applications through hands-on projects. Strong understanding of Data Structures, Algorithms, and DBMS. Passionate about AI/ML and computer vision solutions for real-world challenges.

EDUCATION

University of Wisconsin – Green Bay, Green Bay, WI *Expected: May 2028*

B.S. in Computer Science – Artificial Intelligence & Data Science Emphasis

EXPERIENCE

Software Developer | SaiKet Systems | Remote *Dec 2025 – Jan 2026*

- Developed software and web solutions using Python, MySQL, and contemporary technologies
- Designed user-centric interfaces to enhance usability and user experience
- Collaborated with cross-functional teams on debugging, testing, and SDLC
- Gained hands-on experience in full-stack development and agile methodologies

PROJECTS

ShelfEye – Retail Attention Analytics Platform – *Python | OpenCV | MediaPipe | Flask | React | AWS2024 – Present*

- Engineered a software-only retail shelf analytics platform using computer vision to track real-time shopper engagement through existing store cameras, eliminating additional hardware costs
- Built face detection, head-direction tracking, and a 9-zone shelf heatmap with multi-person tracking and unique ID assignment using MediaPipe and OpenCV
- Developed a glance, browse, and dwell classification engine paired with a live Flask and React dashboard featuring stat cards, heatmaps, and stacked bar charts
- Architecting AWS cloud infrastructure using EC2, EBS, DynamoDB, and Lambda to replace local JSON storage and support scalable multi-store deployment

Motion Detection Security System – *Python | OpenCV | SMTP* *May 2024*

- Developed an intelligent motion detection system using OpenCV for real-time video monitoring with configurable sensitivity thresholds
- Implemented automated email alert system with video attachments triggered on motion detection events
- Engineered video recording pipeline with event-based triggers to minimize storage usage

Student Management System – *Python | PyQt6 | SQLite3* *Feb 2025*

- Built a cross-platform desktop application supporting full CRUD operations on student records using PyQt6 and SQLite
- Implemented features for student registration, search, record update, and deletion with an intuitive GUI

TECHNOLOGIES

Languages: Python, SQL, JavaScript, C++, Java **Frontend:** HTML, CSS, React.js **Backend:** Python (Django, Flask)
Database: MySQL, SQLite, DynamoDB **Cloud:** AWS (EC2, EBS, Lambda, DynamoDB)

ACHIEVEMENTS & CERTIFICATIONS

- Completed Python for Data Science certification by NPTEL
- Completed the SQL Mastery Course on Udemy, mastering SQL queries and database management