PRACHI KOTADIA

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EDUCATION

Illinois Institute of Technology, Chicago, IL **May 2025**
Masters in computer science

Charotar University of Science and Technology, Anand, India **May 2023**
Bachelor of Technology in Electronics and Communication Engi, GPA: 3.74/4.00

TECHNICAL SKILLS

Languages/Frameworks: Python, SQL, Flutter, C; web development operating HTML, CSS, JavaScript; app development with Flutter
Software/Tools: Visual Studio Code, PyCharm; Database management with MySQL; Version control with Git, GitHub, Docker
Backend Development: Frameworks like Django, and Flask; API Development including RESTful APIs

PROJECTS

- **Smart Event Scheduler System:** Create a smart web-based event management system that uses natural language processing to automatically interpret and organize event details from emails and messages. Technologies: Python, Flask, NLTK or spaCy for natural language processing, React for a responsive front-end, MongoDB for a flexible data store, Docker for containerization
- **Autonomous Object Recognition System:** Build a cutting-edge object recognition system that can identify and classify objects in video feeds in real-time, aimed at applications in security and autonomous vehicles. Technologies: Python, TensorFlow, Keras, OpenCV for video processing, usage of pre-trained models YOLO or SSD for real-time object detection
- **Predictive Business Analytics Tool:** Automated development of a predictive analytics tool, integrating machine learning algorithms to forecast sales trends and inventory demands. Devised and optimized using Python, Pandas, and Scikit-Learn. Integrated with existing business systems for seamless real-time data updating and visualization. Leveraged Plotly for advanced data visualizations and Kafka for handling real-time data stream
- **Cross-Platform E-commerce App:** Design a sophisticated e-commerce mobile application that supports augmented reality (AR) to visualize products in real-time environments, enhancing user engagement and purchasing confidence. Technologies: Flutter, Dart, ARKit for augmented reality features, Firebase, Stripe API for payment integration

EXPERIENCE

Software Development Intern
Ingress IT Solutions, Ahmedabad **Jan 2023 - May 2023**
- Established a robust Content Management System managed by MySQL for efficient data management and storage
- Supervised backend development for an event management system leveraging Flask and MongoDB, handling 5,000+ records
- Constructed and maintained 30+ RESTful APIs for an e-commerce platform, streamlining inventory management and third-party services integration

Machine Learning Intern
Ingress IT Solutions, Ahmedabad **Jun 2022 - July 2022**
- Built a sales forecasting model in Python, enhancing accuracy by 25% using Pandas and Scikit-Learn
- Constructed an NLP model for sentiment analysis on 50,000+ customer feedback, boosting satisfaction ratings by 20%

Mobile Development Intern
Ekarshi OpenSource Foundation, Ahmedabad **Jun 2020 - Oct 2021**
- Developed a feature-rich cross-platform e-commerce app using Flutter, serving 15,000+ active users
- Implemented augmented reality features, boosting user engagement by 30% in three months

LEADERSHIP

Lead Organizer & Volunteer Coordinator **May 2020**
Charotar University of Science and Technology
- Led a team of 20 volunteers, providing training and overseeing schedules to optimize event execution for the university's annual tech symposium, hosting 500+ participants

Mentor & Workshop Leader **Jun 2021**
Charotar University of Science and Technology
- Facilitated educational workshops focused on Python programming and data analysis, catering to over 200 first-year students annually, demonstrating pedagogical prowess and fostering foundational skills in emerging technologies

CERTIFICATIONS

IBM Data Science Professional **|** Google IT Automation **|** Google IT Support Professional **|** Google Data Analysis Professional