KHUSHI PATEL

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EDUCATION

Master of Science Data Analytics, May 2026
University of Central Florida- Orlando, FL

Bachelor of Science Computer Science, GPA: 3.889- December 2024
University of Central Florida- Orlando, FL
- Graduated Cum Laude.

RELEVANT EXPERIENCE

Outlier.ai| Remote
AI Model Trainer June 2024 - Present
- Trained generative AI models to enhance accuracy across various data-driven tasks.
- Evaluated and ranked AI-generated code, identifying optimization opportunities to improve efficiency.

Mixed Emerging Technology Integration Lab - UCF| Orlando, FL
Research Intern December 2024 - January 2025
- Designed an AI training assistant that automates personalized feedback for learners, improving training efficiency by 25% through the implementation of machine learning algorithms in Python.
- Researched and implemented AI-driven training solutions to support virtual education environments, demonstrating a 15% increase in user engagement by applying innovative modeling techniques.

University of Central Florida| Orlando, FL
Research Assistant January 2023 - June 2023
- Built a Python-based data scraping tool to extract TikTok metadata, comments, and videos for sentiment analysis.
- Applied machine learning techniques to classify user comments, uncovering engagement trends.
- Presented findings at the Student Scholar Symposium, focusing on data insights and methodologies.

PROJECTS

Electronic Enforcers
- Created multiplayer functionality in a military simulation game using Unity and C#.
- Improved graphics rendition by 60% through remodeling Gaia terrain rendering.
- Designed user interfaces to streamline navigation through the game lobby for up to 12 players at once.

Event Management Application
- Developed a web app using PHP, MySQL, and HTML/CSS to manage university events, automating data population via MySQL triggers.
- Designed a database structure for efficient data handling and developed user authentication and event management features.

Tiktok Sentiment Analysis
- Scraped and preprocessed large datasets from TikTok using Python to perform sentiment analysis.
- Implemented classification algorithms and extracted insights into user trends and engagement levels.

Connect Four Mobile Game
- Developed a one-person Android game based on the classic Connect Four, implementing three levels of difficulty.
- Utilized Java and Android Studio for development, incorporating AI algorithms for computer opponent decision-making.

SKILLS

Programming: Python, R, SQL (MySQL, PostgreSQL), Java, HTML, CSS, JavaScript, VSCode, Android Studio.
Data Analysis & Visualization: Matplotlib, Seaborn.
Machine Learning & Tools: Scikit-Learn, TensorFlow, NumPy, Pandas, Colab.
Other: Data Cleaning, Feature Engineering, Statistical Modeling, Agile Development.