San Pashtoon

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EDUCATION

UNIVERSITY OF CALIFORNIA, IRVINE Irvine, CA
Master of Computer Science December 2026

UNIVERSITY OF CALIFORNIA, IRVINE Irvine, CA
Bachelor of Science, Mathematics with a Concentration in Data Science June 2024
GPA: 3.7
Relevant Coursework: INTRO TO DATA SCIENCE, NUMERICAL ANALYSIS (I, II), OPTIMIZATION (I, II)
Awards: Dean's List: Winter 23'-Spring 24'

SKILLS

Technical: Python(Pandas, TensorFlow, Scikit-learn, OpenCV, Matplotlib, OpenGL), HTML, React, SQL, MySQL, R, JavaScript, MATLAB, C++, C, Swift, Excel, Google Studio, Shopify Interface, Google AdWords, Google Analytics

EXPERIENCE

KEYWORD STUDIOS Irvine, CA
Research Associate III January 2025 - September 2025

- Conducted research and paraphrased findings leveraging academic databases and NLP libraries; adapted tone and writing style across 100+ assignments.
- Designed and executed AI training use cases, producing 10,000+ labeled samples with tools like Python scripts to strengthen dataset diversity and improve model generalization.
- Participated in annotation and labeling projects, delivering 5,000+ annotations per week with JSON/XML pipelines and annotation platforms; provided both quantitative (accuracy scores) and qualitative (error pattern) feedback.

SECURE GUARD SECURITY SERVICES Irvine, CA
Technical Consulting Intern June 2024– December 2024

- Conducted data analysis on vehicle service history and parts usage to identify cost-saving opportunities and improve inventory forecasting accuracy.
- Developed Python scripts to automate data extraction, cleaning, and reporting for operations, reducing manual processing time by 40%.
- Built interactive dashboards using SQL to visualize service KPIs, parts inventory trends, and workflow efficiency metrics for management review.

MEDTRONIC Irvine, CA
Government Affairs Intern January 2024 - June 2024

- Developed and deployed a user-friendly web page using HTML, CSS, JavaScript, and React, integrated with SQL labeling databases.
- Conducted comprehensive testing and debugging with Chrome DevTools, Jest, and Postman, identifying and resolving 50+ defects to ensure web application reliability
- Supported marketing and compliance teams by validating claims against regulatory guidelines and internal standards.

KEY PROJECTS

Facial Emotion Detector

- Developed a deep learning model using convolutional neural networks (CNNs) to classify facial expressions (e.g., happy, sad, angry, surprised) with high accuracy
- Preprocessed image datasets with OpenCV (grayscale conversion, normalization, augmentation) to improve model robustness.

License Plate Recognition System

- Designed and implemented an Optical Character Recognition (OCR)-based system to detect and extract license plate numbers from images.
- Combined image processing techniques (grayscale conversion, contour detection, thresholding) with Tesseract OCR for character recognition.
- Optimized detection accuracy under varying lighting and angle conditions using preprocessing pipelines in OpenCV.