Rishi Dave

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EDUCATION

University of California, Riverside   **Riverside, California**
B.S. in Computer Science   *Expected Graduation, June 2026*
- o   **GPA:** 3.96/4.00, *Dean's Honor List, Chancellor's Honor List, Tau Beta Pi Honors*
- o   **Related Coursework:** Data Structures & Algorithms, Discrete Structures, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Statistics, Computer Architecture, Embedded Systems, Assembly Language

EXPERIENCE

University of California, Riverside's Computer Science Research Lab   **Riverside, California**
Research Assistant   *February 2025 – Current*
- Developed and trained machine learning time series classification models using the MiniRocket classifier across 106 UCR datasets, achieving an average accuracy of ~92%.
- Currently Implementing and benchmarking the model on an FPGA, evaluating prediction runtime against a high-performance CPU baseline and observing preliminary speedups exceeding 20x.

Reeko Cabinets, LLC   **Union City, California**
Data Analysis Intern   *June 2024 – Aug 2024*
- Consolidated and cleaned historical sales data (100+ sources) and inventory records (1000+ cabinet pieces)
- Developed a machine learning regression model to forecast bi-monthly parts demand, improving prediction accuracy by an estimated 25% compared to prior manual methods.
- Designed the automated ordering model to maintain target surplus levels, minimizing stockout incidents

Crest Data Systems   **San Jose, California**
Data Science Intern   *Jun 2023 – Aug 2023*
- Developed a Splunk application that efficiently ingested, parsed, and visualized 200+ log files per minute from the HR website within the company servers with TCP routing
- Created python scripts to pre-process log data to better analyze data through Splunk and create dashboards indicating warnings and errors in the server
- Enabled real-time monitoring and rapid response to critical events, notably correcting an outstanding 4% login error

PROJECTS

R'Eats AI – https://r-eats-ai-9b7a936e9ee4.herokuapp.com/   *April 2025*
- Developed a full-stack web application using Flask to provide personalized restaurant recommendations based on natural language user queries (e.g., cuisine, budget, ambiance) for Riverside, CA.
- Collected, cleaned, and structured data for 200 local restaurants using Yelp API and Pandas, then fine-tuned the GPT-3.5 Turbo LLM on 1000 curated instruction-response pairs derived from the dataset.

Cricket T20 Analyzer   *March 2025*
- Executed an end-to-end data analytics project involving web scraping T20 World Cup 2022 data (Bright Data), cleaning/processing (~200 players, >50k data points) with Pandas, and building a relational data model in Power BI.
- Designed and deployed interactive Power BI dashboards featuring 15+ custom DAX KPIs to visualize performance trends and provide analytical tools supporting the identification of top players for an 'All-Star' team selection.

ACTIVITIES AND LEADERSHIP

Formula SAE Electric Team: Highlander Racing   **Riverside, California**
Computer Science/Electrical Engineering Team Member   *March 2025 – Current*
- Supported the setup and testing of sensors and data logging equipment for vehicle performance monitoring.
- Wrote microcontroller code (C/C++) for sensor interfacing and data transmission over CAN bus.

UCR Aag Captain   **Riverside, California**
Competitive Dance Team Captain/Executive Board   *Aug 2023 – Current*
- Led collegiate fusion dance team to win national-level trophies within the Desi Dance Network (DDN) circuit.

SKILLS

Programming: Python, C++, C, SQL, Java, Swift (IOS), Javascript, HTML/CSS
Tools: Azure, OpenAi, Pandas, Jupyter, Ardunio, Linux, AWS, Splunk, Git, VSCode, Firebase, Django, Flask, MySQL, PowerBI