Aakash Sundaresan

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EDUCATION

Master of Analytics at **University of California, Berkeley**, 3.85/4.0 — Jun 2022 - Aug 2023
Analytics@Berkeley Club, Vice President

Bachelor of Science - Statistics at **Loyola College, Chennai**, 8.0/10.0 — Jun 2018 - Apr 2021

WORK EXPERIENCE

Consultant, Intueor Consulting Inc. — May 2023 – Present

Agile ServiceNow Integration

- Led integration and QA testing for a ServiceNow implementation, delivering a consistent 15-20% increase in sprint velocity for each sprint.
- Crafted comprehensive test cases to validate system functionalities and ensure a smooth integration process to the new ServiceNow instance.
- Collaborated closely with cross-functional teams, including developers, data engineers, the design team, and clients to achieve high-quality deliverables within agile sprint timelines.

AI-Enhanced Project Management Tool

- Ideated and engineered an AI-powered application using Flask, integrating GPT's API for natural language processing, enabling automated document analysis and information retrieval within project management workflows.
- Designed and implemented the full stack, including UI/UX with HTML/CSS and JavaScript, streamlining access to project documents and achieving a 10x improvement in business flow times.

ERP Assessment and Procurement

- Analyzed a high-volume ticketing system for a Major Public Transportation Agency, processing thousands of requests daily. Utilized data analysis techniques to identify frequent issues and staffing efficiency.
- Implemented team adjustments based on data-driven insights, projecting a 50% reduction in ticket response times.

PROJECTS

Pitchwolf (Cricket Analytics Platform)

- Leveraged large-scale video datasets to train a YOLO-based machine learning model for enhancing player performance analytics and providing detailed insights into player movements.
- Utilized advanced computer vision techniques and pose estimation models to predict and visualize dynamic interactions among athletes in cricket, enhancing the accuracy and depth of performance feedback.
- Collaborated with engineering teams to integrate machine learning findings into the development of cricket coaching tools, optimizing training strategies.

Predicting Continuity of Yelp Business Listings - UC Berkeley

- Predicted if a business listed on Yelp will close or continue operations using Python.
- Identified boosting algorithm to be the most accurate (85%) among six different models evaluated. Incorporated NLP on subset of the data to categorize reviews as positive or negative sentiments thereby improving the accuracy by 1.25%.

Design and Analysis of Database - UC Berkeley

- Developed a schema and ER diagram for an e-commerce company, generating synthetic data with pydbgen and Faker to populate the database. Imported this data into SQL for query execution, enhancing operational efficiencies and management practices through optimized data structures.
- Conducted Exploratory Data Analysis and statistical analysis on Python using data extracted from SQL queries, leveraging these insights to drive decision-making and improve company processes.

SKILLS

Languages	Python, SQL, HTML, CSS, AMPL, C++, R
Database	MySQL, PostgreSQL
ML/AI	Pandas, Scikit, Keras, YOLO
BigData	Databricks, PySpark, SparkSQL