NAREN PRAKASH

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EDUCATION

Bachelor of Statistics and Data Science, University of California Los Angeles   Expected June 2025
Relevant Coursework: Data Mining, Optimization, Monte Carlo Methods, Linear Models, Financial Modeling

EXPERIENCE

Data Science and Machine Learning Intern   Jun 2024 - Sep 2024
Halliburton   *Houston, TX*

- Developed an autoencoder model for anomaly detection in truck sensor data, boosting predictive maintenance and operational efficiency through a 10% increase in fleet uptime.
- Implemented a transformer-based architecture achieving 95% pattern recognition accuracy in time series data, leading to improved forecast precision for predictive analytics.
- Engineered a data generation script optimizing GPU training for machine learning models, reducing training time by over 90% and increasing overall model efficiency.

Data Analyst Intern   Jun 2023 - Aug 2023
Neoage Services   *Houston, TX*

- Analyzed raw page data to design an advanced parser for automatically extracting and storing critical bank statement information, improving data accuracy by 15%.
- Designed and implemented a Python script automating bank statement generation, cutting production time by 95% and boosting departmental workflow efficiency.
- Applied Python Imaging Library and OpenCV to create and manage high-quality images of project assets, ensuring consistent documentation and asset integrity.

PROJECTS

- **Heartbeat Voltage Predictor:** Built a machine learning model using a custom transformer architecture with PyTorch, Pandas, NumPy, and Scikit-learn to predict voltage values.
- **COVID-19 Data Analysis Project:** Leveraged publicly available data from California public health departments to identify factors influencing disease transmission, conducted statistical analysis to isolate these factors, and created impactful visualizations with the tidyverse to highlight regional and economic transmission patterns.

INVOLVEMENT

- **UCLA Radio:** Archived and synchronized programming across platforms; produced engaging sports content and interviews.
- **Module Director, CityLab at UCLA:** Instructed high school students in biotechnological processes; enhanced learning with hands-on labs, interactive presentations, and inquiry-based methods.

SKILLS

Technical Skills	Python, SQL, Scikit-learn, TensorFlow, PyTorch, Spark, R, Azure, Tableau, Power BI, tidyverse, Deep Learning, CUDA, Pandas, NumPy, Dask, cuDF, Data Analysis, Data Wrangling, Statistical Modeling
Soft Skills	Technical Communication, Solution Development, Team Collaboration, Problem Resolution, Precision, Decision-Making, Project Coordination