

# Samir Thota

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## EDUCATION

**University of California, Berkeley**, Berkeley, CA

Expected: May 2024

*Bachelor of Science in Data Science, Concentration in Business and Industrial Analytics*

**Certifications:** Amazon Cloud Practitioner, Databricks Certified Data Engineer, Snowflake Snow Pro, Certified Python Associate

**Programming Coursework:** Structure and Interpretation of Computer Programs, Data Structures, Probability for Data Science, Discrete Math and Probability, Industrial Data Systems, Data Mining and Analytics, Machine Learning, Corporate Finance

## PROFESSIONAL EXPERIENCE

**Nova Energy Capital**, Remote

January 2024 – Present

*Data Engineer Intern*

- Implemented predictive pricing APIs for the energy trading market processing over 1,000,000 data points
- Developed real-time and batch Data Pipelines, resulting in a 10% increase in data accuracy

**DataTron**, Dallas, TX

June 2023 – July 2023

*Data Engineer Intern*

- Worked on model catalog to monitor models for bias, drift, & performance anomalies in real-time
- Revised source code to help facilitate JupyterHub-integration for improved data exploration

**SourceLead**, Frisco, TX

June 2022 – August 2022

*Technology Intern*

- Optimized search results on the Application Tracking system to decrease run time by 10%
- Conducted testing on alpha software to identify bugs and provide recommendations

**Dallas Venture Capital**, Dallas, TX

June 2021 – October 2021

*Analyst Intern*

- Sourced and evaluated key-metrics in 2000 companies within the SaaS sector to narrow down candidates
- Invited and managed 50 investors and Fund Managers to collaborate on fund administration CRM

## LEADERSHIP & AFFILIATIONS

**University of California, Berkeley Track and Field**, Berkeley, CA

August 2020 – May 2024

- Dedicated 20-25 hours weekly for conditioning, meetings, travel, and practice as a scholarship athlete
- Gained and demonstrated valuable leadership and communication skills as part of a team of 100+

**Delta Consulting**, Berkeley, CA

August 2020 - May 2022

- Drove market research efforts for WikiEducation with an in-depth analysis of prevailing market trends
- Administered over 20 expert testimonials for a UK EdTech firm aiming to procure a 50k government grant

## TECHNICAL PROJECTS

**Cloud-based IMDB Data Warehouse - AWS(SQL)**

August 2023

- Performed ETL operations within the buckets and processed within a Redshift data warehouse
- Designed and managed an end-to-end data pipeline initialized with S3 buckets

**NBA Career Predictor- Python(Pandas,Sklearn,Matplotlib)**

August 2023

- Cleaned data and manipulated multiple datasets to create to facilitate a comprehensive analysis
- Constructed an optimized regression model to forecast 1000s of specific player career outcomes
- Designed visualizations to provide insights and influence decision-making with data driven metrics

**Spam & Ham- Python(Pandas,Sklearn)**

April 2023

- Developed a binary classifier based on feature engineering and logistic regression to identify spam emails
- Validated performance classifiers through testing to reduce error and mitigate overfitting

## SKILLS

**Languages** - Python, Java, MySQL/SQL, Tableau, R

**Tools/Frameworks** - Pyspark, Pandas, Sklearn, Numpy, Django

**Technologies** - Kubernetes, Terraform, AWS, Git