PARITOSH KULKARNI

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Why me? - Experienced problem-solver passionate about finance and private asset management, utilizes financial modeling and portfolio management with automation and programming to drive impactful business decisions. Six years of experience scaling and building successful finance and venture capital products demonstrates a strong work ethic and team collaboration.

SKILLS

- *Financial:* Waterfall analysis, income statements and balance sheets analysis, DCF, Time-Series, Monte-Carlo modeling.
- *Programming:* Python (Pandas, Seaborn, Pytorch, Spacy, NLTK, Scikit-learn, Keras), R, SQL, PySpark, Docker, Java, JS, Tableau
- *Enterprise* - AWS, Linux, Streamlit, Hugging Face, Open-AI Codex, GitHub, Neo4j, MS Office Suite, Bloomberg, Jira, Confluence.
- *Databases* - Globaldata, Pitchbook, SEC Filings, Reactome, Human Protein Atlas, PubMed, clinicaltrails.gov & US Patent -REST

Certifications - Certified Investment Management Analyst® (Ongoing), Security Industry Essentials (FINRA)

EXPERIENCE (Selected)

Lead Associate (AI/ Tech+ Bio+Health)   January 2023 - Present
VU Venture Partners, *San Francisco, CA*
- Led team of five to develop AI/ML, healthcare, biotech, and health tech thesis, designed deal-sourcing pipeline by collaborating with investors in the Bay Area (Unshackled, Tau), which resulted in syndicated deals in AI/ML (Neurode, Repair Bio).
- Collaborated with GPs for fundraising for new 100M fund by sourcing LPs and developed due diligence questionnaires, wrote about filtration and selection criteria for pre-revenue companies focusing on $5B+ TAM and 20x in 2-5 years.
- Completed due diligence of over 30 companies fitting my thesis in three months, resulting in five IC recommendations and one deal.

Data Scientist / Algorithm Engineer   January 2022 - November 2022
Pivotal Life Science (a.k.a Pivotal bioVenture Partners Fund I & II), *San Francisco, CA*
- Developed mixed asset sell/buy decision algorithms and competitive landscape maps powered by AI - web apps to manage companies in the $485M portfolio, apps used by LPs and partners that resulted in 120% rise in efficient decision-making.
- Optimized algorithms for illiquid and liquid assets portfolio modeling and management using proprietary DCF modeling and integrated with investment banking data, past deals, and fund PPM and financials, resulting in 18% savings while selling.
- Programmed a knowledge base for faster deal filtration, risk assessment, deal sourcing, and due diligence that resulted in 65% more deals evaluated, hours of human resources saved, and migrated legacy internal CRM to a searchable web database app.
- Led the due diligence pipeline development to evaluate deals in collaboration with partners, principals, and associates, conducted hands-on technical sessions to onboard the stakeholders on the pipeline, and 20x efficient and optimized the data retrieval process.
- During the market downturn of 2022, combined Pitchbook, Internal CRM data, and $500M funds of funds strategy portfolio using NLP-based similarity detection to find overlapping company names. The insights led to a classification model that found companies with cash higher than enterprise value saving over $300K in consulting, three months, and securing key deals.

Chief Data Engineer   September 2021- January 2022
ToughLeaf, *New York, NY*
- Led development of the construction bid display platform's backend by designing data pipelines and dynamic data models with AWS and NLP solutions to convert complex technical jargon into simplified hashtags.
- Improved database quality by detecting and removing duplicate entries, developed a TF-IDF ensemble with bi and trigram model (NLP) that identifies crucial terms, filtered by decision tree analysis to extract & convert 10138 technical public data entries.
- Collaborated with cross-functional teams to draft RFP for Empire State - Minority-Owned Business initiative to secure over $6M of grant funding and a three-year contract to work with the state to develop and scale toughleaf.com.

Lead Data Scientist   December 2020 - September 2021
Columbia University Irving Medical Center (NY Presbyterian Children's Hospital), *New York, NY*
- Authored publication of an innovative clinical NLP-focused recommendation algorithm by collaborating with a social worker, two nurses, and a pediatrician, resulting in 2x cases reported to NY Administrative Childcare Services.
- Supervised, mentored, and trained new data scientists to improve the classification model to detect child abuse and neglect cases, risk factor analysis (ICD 9/10) for drug order notes, demographics, financial data, and triage nurse notes.
- Designed a classification detection model to alert clinicians of at-risk child patients by segmenting historically overlooked children using risk factor and pattern recognition; the model scanned & labeled over 33961 medical records detecting child maltreatment.
- Assisted in building ETL pipeline utilizing Epic & PySpark in mining over 106GB of HIPAA-protected unstructured data, restricted text with cleaning and formatting techniques, pattern recognition, and simplified data engineering pipeline with NLP.

Process Engineer   July 2016 - April 2020
York Winery, Sula Winery & Delta Finochem, India
- Reduced operational costs of the winemaking process by $38K by building MATLAB-based simulation of bioreactors. The simulation also helped conserve wine color, quality, and taste, reducing the batches.
- Assisted in increasing the plant's output that manufactured active pharmaceutical ingredients (APIs - e.g., fenofibrate), fertilizers, and ammonia by increasing the recycling rate and decreasing process time by 33% per day, ultimately saving $20K of logistic costs.

EDUCATION

- **Executive Education,** *CIMA® Program (Scholar)*   **University of Chicago Booth School of Business,** *Chicago, IL*
- **Master of Science in Chemical Engineering,** *Concentration in Data Sciences*   **Columbia University,** *New York, NY*
- **Bachelor of Technology in Chemical Engineering,** *Minor in Business Management*   **Manipal University,** *Manipal, India*