

ABHINAV SINHA

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SUMMARY

Results-driven **Data Scientist** with **4+ years** of experience in developing AI-driven solutions for business risk and analytics. Skilled in building scalable ML pipelines, leveraging statistical analysis and predictive modelling to extract actionable insights. Proven ability to enhance decision-making and drive revenue growth through data-driven strategies.

SKILLS & INTERESTS

Programming Languages: Python (Pandas, Numpy, ScikitLearn, Seaborn, Matplotlib), SQL

Data Science & Analytics: Apache Spark (PySpark), Machine Learning (Regression, Classification), Model Development, Model Evaluation, Model Deployment, NLP, Large Language Models, BERT, GPT, LangChain, Tensorflow, Keras, PyTorch, CNN, LSTM, MLOPS

Others: Git, Databricks, AWS, Docker, MLFlow, Kubernetes, FastAPI

PROFESSIONAL EXPERIENCE

Dun & Bradstreet India, Chennai, India

March 2023 – Present

Senior Analyst, Data Science

- Played a key role in architecting the ESG product framework, leading core model development and integration efforts that enabled global scalability and contributed to **\$4.8M+ in annual revenue**.
- Developed a machine learning model to compute growth index scores for potential investments using financial, operational, and historical news data, enabling U.S.-based private equity client to identify high-growth targets over a 12-month horizon.
- Led the development of **LLM**-powered Climate Risk Index using diverse structured and unstructured data to assess climate exposure for clients and their supply chains, enabling regulatory alignment and driving new revenue opportunities.

Dun & Bradstreet Technologies and Data Services, Chennai, India

March 2021 – February 2023

Data Scientist II

- Developed a credit risk prediction model - combining financial indicators, payment behaviour, and trade data to classify business default risk with high accuracy.
- Designed machine learning models to predict ghg emissions, enabling ESG scoring for over 150 million global entities and enhancing model-driven coverage for the product.
- Built ML model to assess supplier credibility and financial stability across emerging markets, supporting credit risk evaluation and enabling a \$5M/year contract renewal with a Fortune 500 client.

Data Scientist I

- Led integration and analytics of 1000+ alternative data sources to enhance ESG model granularity, enriching entity profiles and increasing the reliability of ESG product for the end users.
- Developed machine learning model for detecting promo code abuse in a payment application, automating and improving the efficiency of the evaluation process.

KPIT Technologies, Pune, India.

June 2018 – May 2020

Software Engineer

- Utilized Python for CAD modeling and automation in the design and development of wire harness systems for the electrical architecture of a next-generation concept super truck, enhancing design efficiency and accuracy.

INTERNSHIP

Dun & Bradstreet Technologies and Data Services, Chennai, India

Nov 2020 – Feb 2021

Data Science Intern

- Developed Python and PySpark tools that significantly expedited model development, now integral to major ML projects in the organization.
- Migrated data transformation in Pandas to PySpark, thereby **improving end-to-end process runtime 10x**.

EDUCATION

University of Petroleum & Energy Studies | Dehradun, India | B.Tech Electrical Engineering

May 2018