MAHIM MITTAL

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Education

Master of Science in Data Analytics Engineering

Northeastern University, Boston, MA   Expected May 2024

- Courses: Fundamentals of Data Analytics , Data Management for Analysis , Data Computation & Visualization , Data Mining

Bachelor of Technology in Computer Science Engineering

Shri Vaishnav Institute of information Technology, Indore, India   May 2022

- Courses: Applied Mathematics, Data Structures, Machine Learning, Specialization in Big Data Technology, ETL, C/C++, Python

Professional Experience

Data Analyst Intern   August 2021 - January 2022

PYTHONMATE, Indore, MP, India

- Leveraged Excel for data transformation and statistical analysis to categorize sales based on performance and utilized data with visualization tool such as dashboard to communicate sales performance trends and patterns
- Played vital role in collecting and analyzing data, utilizing tools such as SQL and Excel, to provide valuable insights to the team
- Employed quantitative and data analysis techniques utilizing tools such as Python and R to uncover meaningful trends and patterns in datasets
- Contributed to the development of interactive data visualization tools using Tableau, resulting in enhanced data representation and interpretation
- Conducted external market research and analysis comprising Numpy, Pandas , Seaborn and also Power BI resulting to insights of new business opportunities with 30% increase in leads
- Produced detailed reports and compelling presentations to communicate key insights derived from data analysis, leading to informed decision-making

Frontend Developer Intern With Python Exposure   August 2020 - January 2021

INTUGINE TECHNOLOGY, Banglore, KA, India

- Designed and constructed E-mails in HTML,CSS for clients
- Developed sign-in page using React js for different clients according to individual requirement
- Created and implemented notification tool using Angular 8 to help team everytime some client had issues
- Created dashboard and charts using Vue js to simplify overall data for one users
- Onboarded with Node js framework established location tracker reducing tracking errors to 95%

Technical Skills

Analytical Tools: Python, SQL , R, Advanced Excel, Hadoop, Apache Spark, Google Data Studio
Visualization Tools: Tableau, Power BI, Matplotlib, ggplot, D3.js, Flourish, DataWrapper
Databases: Microsoft SQL Server, MySQL, PostgreSQL, Oracle SQL Developer, MongoDB, Azure
More: Financial Markets, Analytical Thinking

Academic Projects

"Risk Management Simulation", Northeastern University   February 2023 - March 2023

- Developed a Monte Carlo simulation to assess and manage financial risks. Modeled various scenarios by simulating random market movements and calculated Value at Risk (VaR) and Conditional Value at Risk (CVaR) to quantify potential losses.

"Algorithmic Trading Strategy", Shri Vaishnav Vidhyapeeth Vishwavidyalaya / Minor   January 2022 - April 2022

- Employed quantitative techniques, such as moving averages, RSI, and MACD, to generate buy/sell signals and evaluate the profitability and risk-adjusted performance of the strategy.

Volunteer Work

Summer Intern   May 2023 - Present

Bank On Boston, Boston, MA

- Analysing on web tools like Secured Credit Card Product Tool, Credit Building Loan Product Tool.
- Gaining insights on connection between financial products and credit building products