

ABINAYA MAHENDRAN

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OBJECTIVE

Tenacious data scientist with a masters in economics seeking an opportunity to work in a dynamic ecosystem where I can apply my fullest potential, grow and add value to the organization.

EDUCATION

Symbiosis International University, Pune

Aug. 2020-Aug. 2022

Master of Science (MS) in Economics

President of SSE Model United Nations

Relevant Course Work: Advanced Econometrics, Mathematical Economics, Probability and Statistics, Data management, Computation and Visualization, Behavioral Economics, Advanced Macroeconomics, Advanced Microeconomics

Anna University, Chennai

Aug. 2015-Jun. 2019

Bachelor of Engineering - Electronics and Communication Engineering

SKILLS & CERTIFICATIONS

Technical Skills:

- **Data Analytics:** Machine Learning, Regression, Classification, Hard/Soft Clustering, NLP
- **Machine Learning Algorithms:** Linear Regression, Clustering, Naïve Bayes, PCA, SVM, Decision modelling, Decision Trees, A/B testing, Time series, Hypothesis Testing, Tree based models, Predictive analytics
- **Programming Languages:** Python, R, SQL, Hive QL, DAX, Python – Scikit-learn, Pandas, NumPy, Keras, TensorFlow
- **Tools & Software:** Jupyterlab, R Studio, Microsoft Power BI, Tableau, Excel – VBA, Visual Studio, Git, Airflow, Cloud technologies- Azure Blob storage, Azure Databricks
- **Certification:** Certified Data Scientist – MDAE

Soft Skills:

Good Communication, Optimistic, Organized, Goal Oriented and Team Work

PROFESSIONAL EXPERIENCE

V3 Analytics

Mar. 2023-Present

Data Scientist

- Devised performance metrics for evaluation of computer vision model using cross-validation
- Built a linear regression model using dummy variable to identify herd bias in retail stock market activity.
- Deployed machine learning models such as multiple regression and timeseries models to infer marketing insights and forecast sales.
- Implemented data visualization techniques to increase the usability and accessibility of data for the sales and marketing departments.
- Leveraging ML and advanced analytics techniques to solve complex business problems.
- Articulated the findings to technical and business stakeholders on a weekly basis.

MuSigma, Bangalore

Nov. 2019-Apr. 2020

Data Scientist

- Worked with Walmart account's daily floor planning team which was involved in product demand forecasting of preconfigured products according to market needs for their next fiscal year.
- Built a working Machine Learning model (ARIMA) using python and predicted product demand and inventory stock for retail products at Walmart.
- Leveraged the company's profit by 1 million dollars due to the demand forecast in one quarter.
- Provided business leaders with relevant and accurate reporting to help them make informed decisions.

Cholamandalam Investments, Chennai
Investment Banking Intern

Jul. 2021-Aug. 2021

- Gauged investment recommendations for stocks and provided regular updates.
- Estimated the fair value for stocks of top start-up companies in India using fundamental analysis
- Determined company valuation and cash flow analysis.

Coromandel International, Chennai
Logistics Intern

Nov. 2021-Dec. 2021

- Computed and planned monthly production schedule
- Estimated monthly inventory and annual safety stock with minimum stock holding
- Integrated Excel spreadsheets and SAP ERP system to track inventory.

ACADEMIC PROJECT

Econometric-analysis of Global Value Chains of APAC and NA countries, Symbiosis School of Economics **Aug. 2020-Aug. 2022**

- Analyzed the impact of COVID on supply chain disruption using trade statistics.
- Built a machine-learning model which forecasts the foreign value added to exports and total intermediate goods.
- Inferred the best practices for agile, resilient value chains.

LEADERSHIP & RECOGNITION

President of SSE Model United Nations

May. 2021-May. 2022

- Conceptualized to conduct inter-college Model United Nations event and mentored Senior secretariat.
- Formulated a plan of action for the college conference within the targeted budget and supervised the execution.
- Streamlined collaboration with various student organizations and portfolios to conduct collegiate events.
- Conceptualized to conduct inter-college Model United Nations event and mentored Senior secretariat.
- Devised innovative publicity and marketing ideas to bring in the cash flow.

Anna University, Chennai, TN

Captain of Girl's Badminton Team

May 2018 – June 2019

- Led the girls' team to win a silver medal at a district-level tournament and mentored a team of five
- Increased student participation in events by promoting campus sports through planned information sessions