

Dharineesh Karthikeyan

Data Scientist | ML Engineer | Data Engineer | Analyst

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EDUCATION

Northeastern University – Boston, MA
Masters in Analytics

Sept 2023 - Present
(GPA – 4.0 / 4.0)

Amrita Vishwa Vidyapeetham University – Coimbatore, India
Integrated Master of Science in Data Science

Jun 2018 – Jul 2023
(CGPA – 8.87 / 10)

SKILLS

Programming: Python, R, SQL, MATLAB

Libraries: Pandas, NumPy, Seaborn, Matplotlib, Plotly, Scikit-learn, TensorFlow, Keras, BeautifulSoup, Scrapy, NLTK, SpaCy

Business Intelligence: ETL, Data cleaning, Data wrangling, SQL and Database Management, Reporting, Presentation

Visualization Tools: Tableau, Power BI

Cloud Technologies: AWS (S3, DynamoDB, Lambda, SNS, SQS)

Other Tools: Microsoft Office (Excel, Word, PowerPoint)

Soft Skills: Communication, Collaboration, Leadership, Presentation Skills, Business Acumen, Continuous learning

WORK EXPERIENCE

Data Scientist – Aveon Infotech (Coimbatore, India)

Sep 2022 – Jun 2023

- Presented complex data findings to non-technical stakeholders clearly and concisely using Power BI Dashboards and SQL queries, enabling informed business decisions and driving a 10% increase in revenue.
- Designed an in-house AI resume parser bot for the HR team, resulting in a 70% success rate in identifying suitable candidates and speeding the hiring process by 2 weeks.
- Led an 8-member team for a new e-commerce client project, successfully overseeing the warehouse management system and reducing downtime by 50% through efficient log management.
- Orchestrated client communication and project coordination for a critical project, assuring on-time delivery of milestones and high client satisfaction.
- Designed and implemented an automation-based reporting infrastructure using Excel, resulting in a remarkable 90% reduction in the preparation time for standard client materials for daily/weekly meetings.

Machine Learning Engineer Intern – Xen.AI (Remote)

Aug 2021 – Mar 2022

- Engineered deep learning architectures using TensorFlow for computer vision task of steel defect detection, achieving 92% accuracy and minimizing the possibility of misclassification of defective products to just 0.04%.
- Utilized Matplotlib and Pyplot to create insightful data visualizations and deliver compelling client presentations for PoC projects, contributing to the acquisition of 2 new clients.
- Assisted with implementing PyOD on telematics truck data for an anomaly detection project, resulting in 25% faster project delivery and improved anomaly identification.

Machine Learning and Data Science Trainee – IIT Kanpur (Remote)

Apr 2020 – Jun 2020

- Worked under an IIT professor on a research project analyzing Twitter data, using advanced data mining techniques and natural language processing to determine user behavior and sentiment analysis.
- Leveraged NLTK and SpaCy for data cleaning. After performing feature engineering to extract derived features such as emojis, emoticons, positive/negative words, and so on, performance improved by 5%.
- Conducted a comparative analysis of machine learning models and vectorization methods, including Bag-of-Words (BOW), TF-IDF, and word embedding, providing insights into their task effectiveness.

PROJECTS

AutoML - [\[GitHub\]](#)

A no-code web application enabling users to extract, process, clean data, and effortlessly build and hyper-tune machine learning models with a click of a button.

Wanna Be

An AI web application, where users can upload an outfit image. The app uses DL to identify the outfit and color and has an in-built recommendation system and database that recommends related products to the customer.

Dashboards Portfolio - [\[GitHub\]](#)

A portfolio showcasing some of the dashboards I've crafted throughout my academic journey.