Animesh Dahiya

Software Engineer | Master's Student in Data Science at RMIT

dahiyaanimesh

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Summary

Data-driven software engineer with expertise in full-stack development, automation, and machine learning. Pursuing a Master's in Data Science at RMIT, proficient in Python, SQL, and tools like TensorFlow and Tableau. Experienced in building machine learning models, geospatial analysis, and data visualization, with a proven ability to optimize workflows through automation.

Skills

Languages

Python (Advanced), SQL (Intermediate), JavaScript (Intermediate), C++ (Basic), HTML/CSS

Automation & DevOps

Eyeshare, UiPath, Amelia

Data Science Libraries

NumPy, Pandas, scikit-learn, TensorFlow, OpenCV, NLTK, gensim, Matplotlib

Data Visualization & Tools

Tableau, Jupyter Notebook, PyCharm

Project Management

Scrum, Kanban, Waterfall, Agile (Expert)

Additional Tools

Git, Service Now, Atlassian

Education

RMIT University — **July 2023 - June 2025**
Data Science — Masters

SRM Institute of Science and Technology — **July 2016 - May 2020**
Computer Science Engineering — Bachelor of Technology

Experience

McDonald's — **August 2023 - Present**
Department Manager (Product Quality) — Melbourne

- Led and streamlined team operations, fostering collaboration and improving workflow efficiency in a fast-paced environment.
- Implemented inventory control strategies to minimize waste and streamline resource management.
- Developed and executed processes that improved operational efficiency, ensuring accuracy and timeliness in task execution.
- Managed staffing schedules and resource allocation, ensuring operational efficiency and alignment with business needs.

Cognizant — **August 2020 - June 2023**
Software Engineer — Pune, Maharashtra

- Developed and deployed automation solutions using UiPath, Amelia chatbot, and Eyeshare, streamlining workflows and improving efficiency.
- Utilized the Amelia chatbot tool to automate over 100 employee queries daily, improving response times by 20%
- Automated UI tasks with UiPath, reducing manual intervention and boosting productivity.
- Optimized internal processes using Eyeshare, including incident management, ticketing, and hardware checks like server runtime and server health, reducing incident resolution times by 25%.
- Led automation projects in an Agile/Scrum framework, ensuring timely delivery and alignment with business goals.

Cognizant — **February 2020 - July 2020**
Intern — Chennai

Projects

HomeHop: Public Transport Accessibility & Property Value Analysis

Applied XGBoost, Decision Trees, and geospatial analysis (Folium, QGIS) to analyze the impact of public transport on property values. Created an interactive dashboard with Streamlit and Tableau.

Employee Satisfaction and Industry Sentiment Analysis

Performed sentiment analysis on over 2.3 million Glassdoor reviews and Reddit discussions, leveraging NLP (VADER, TextBlob) and network analysis (NetworkX, Gephi) to uncover job satisfaction trends, industry sentiment clusters, and structured vs. unstructured data differences.

Video Game Sales Data Visualization

https://dahiyaanimesh.shinyapps.io/videogame/

Developed an interactive Shiny web app using R (Shiny, ggplot2, plotly) to analyze and visualize video game sales data, with dynamic charts and plots. Deployed on shinyapps.io.

YouTube to Spotify Playlist Converter

Developed a Flask web app to automate YouTube Music playlist transfers to Spotify, integrating the Google YouTube API and Spotify API (Spotify) for authentication and song matching.

Achievements

- Saved $300,000 annually in license expenses by optimizing workflows, recognized by leadership and APAC executives.
- Reduced manual work by 15% per month through AI chatbot automation (Amelia) for incident ticketing.
- Developed a login webpage during an internship at CRIS, enhancing system access and user experience.

Publication

A Smart Approach for Securing Lottery System with Blockchain **June 2020**

International Journal of Applied Science and Technology (IJAST)