





MAYUR DALVI

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Education

University of Colorado Boulder

Master of Science in Data Science, GPA : 3.73

U.S.A

August 2023 - May 2025

University of Pune

Bachelor's in Computer Science, GPA : 3.6

India

August 2017 - July 2021

Technical Skills

Programming Language: Python, R, JavaScript, C/C++, HTML/CSS, SQL

EDA and Data Visualization: Pandas, NumPy, Matplotlib, Plotly, Seaborn, Power BI, Tableau

Tools and Technology: AWS, Excel, Kubernetes, Git, GitHub, Bitbucket, Hadoop, Scikit-Learn, TensorFlow, Azure, PyTorch, deep learning, AI, Big Data, Machine Learning

IDEs: Visual Studio Code, PyCharm, Jupyter Notebooks, IntelliJ, RStudio, Eclipse

Experience

NICE Systems Ltd

India

Junior Data Scientist

July 2021 - July 2023

- Led the design and implementation of a robust solution, reducing audio call data errors by 50% and enhancing system reliability for 10,000+ users. Implemented CI/CD practices for efficient deployment
- Implemented automated call extraction processes through Rest API and MySQL, eliminating manual intervention and enhancing data accuracy.
- Engineered optimizations in call ingestion logic, achieving a 6-hour reduction in execution time through concurrent data processing.
- Collaborated with cross-functional teams to align with product goals and data requirements, demonstrating effective communication skills and upholding high integrity standards.
- Consulted NICE Cloud customers, optimizing data retrieval through NICE Data Explorer (NDE) via RESTful APIs. Achieved a 40% reduction in data retrieval time, enhancing overall system efficiency.

Projects

SmartTube Summarizer: Full-Stack Video Enhancement

- Developed a video summarization tool using Flask, Hugging Face's T5 model, and YouTubeTranscriptApi, streamlining content summarization.
- Attained a remarkable 95% accuracy rate in generating concise and relevant video summaries, showcasing the effectiveness of the implemented solution.
- Improved user interaction by incorporating natural language processing (NLP) for hashtag extraction during development, contributing to a more intuitive and enriched user experience.
- Developed an end-to-end model featuring a user-friendly interface. Integrated modals and reports, resulting in a remarkable 20% boost in user interactions and prolonged engagement.

Movie Recommender System

- Engineered an interactive Movie Recommender System using Streamlit, improving user experience and movie selections.
- Executed real-time retrieval of movie details and posters via The Movie Database (TMDb) API, enriching the interface with captivating visuals.
- Devised an efficient movie similarity computation process using precomputed scores, leveraging advanced data analytics for improved system response times.
- Integrated a user-friendly interface with a select box for movie input and a recommendation button, incorporating UI/UX design principles. This led to a substantial 20% increase in user interactions and prolonged engagement.

Startup Analysis - Case Study

- Increased fundraising success by 18% through startup analysis and targeted engagement with key investors.
- Formulated a dynamic investor tab employing advanced data analytics, statistical methods, and predictive analytics. Utilized mathematical models for showcasing names and validation, resulting in enhanced market insights.
- Achieved a 14% improvement in portfolio performance by leveraging impactful metrics derived from funding dynamics.
- Led sector analysis, offering crucial insights for market trend identification and supporting investment decisions.

Sales and Revenue Analysis using Power BI dashboards

- Showcased analytical skills through Business Analytics, driving a 15% year revenue boost with a Power BI dashboard.
- Enhanced forecasting accuracy by 20% and boosted sales by 12% through dynamic visualization and segmentation.
- Applied Power Business Intelligence expertise to enhance revenue streams. Implemented customer-centric analyses, resulting in a 10% increase in customer lifetime value and a 15% improvement in overall sales retention.

Certificates

- AWS Certified Cloud Practitioner.