

DEVAM K. JANI

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EDUCATION

Master of Applied Computing, University Of Windsor, Ontario, Canada May 2022 - Aug 2023

B. Tech. Computer Science and Engineering, Parul University, Gujarat, India Jun 2017 - May 2021

SKILLS

Programming Languages. Python, R, SQL, Java, LaTeX

Databases. MSSQL, MySQL, MongoDB, PostgreSQL

Libraries/Frameworks. Scikit-learn, Tensorflow, OpenCV, matplotlib, plotly, CNN, RNN, RestAPI, Docker, Linux

Tools. Git, GitHub, Advanced MS-Excel, UNIX Tools, Shell Scripting, Jupyter NoteBook, SSMS, MS-Suite, JIRA, VS Code, Google Colab

Data Analysis. Data Mining, Data Cleaning, Data Preparation, Statistical Analysis, Predictive Analysis, Time Series Forecasting, Statistics, Pattern Recognition, Data driven details

Visualization Tools. Power BI, Tableau, Google Data Studio

Cloud Platform. Microsoft Azure, AWS, Heroku

Core Competencies. Communication, Documenting, Reporting, Analytical problem solving, Business acumen, Time optimization, Critical thinking

EXPERIENCE

Technical Support Specialist

Sep 2023 - Present

Apple Inc. (KellyConnect)

Scarborough, Ontario

- Developed and executed training modules based on company manuals for technical staff; led to a 20% decrease in customer complaints and a 10% increase in customer satisfaction ratings.
- Performed daily application system maintenance, identifying and troubleshooting problems, and ensuring timely issue resolution
- Demonstrated exceptional written and verbal communication skills in handling email correspondence & calls.
- Gathered relevant customer and technical information to determine appropriate support level and escalated complex issues as necessary.
- Analyzed recurring problems to identify patterns and provided valuable input to development teams for process improvements.

Data Scientist Intern [GitHub]

Aug 2020 - Oct 2020

SmartKnower

Mumbai, India

- Developed a comprehensive COVID-19 data analysis pipeline leveraging Python, Pandas, and Scikit-learn, delivering accurate forecasts with 66.96% test accuracy by implementing Holt's linear model.
- Engineered an end-to-end convolutional neural network model for image classification on the CIFAR-10 dataset, achieving 66.85% validation accuracy through optimizations.
- Constructed insightful visualizations and performed statistical analyses on COVID-19 data, unveiling trends, mortality rates, and active/closed case distributions across countries and regions.
- Conducted exploratory data analysis and predictive modeling on time-series COVID-19 data, employing regression techniques (Linear Regression and identifying optimal parameters for 95% training data).

PROJECTS

International Debt Analysis Using SQL [GitHub]

Self-guided

Used: Windows, PostgreSQL, Jupyter, Python

- Gathered and analyzed comprehensive international debt data for 124 countries, covering over 90% of the global population, utilizing Python and SQL.
- Cleaned and visualized the data with Matplotlib and Seaborn, addressing missing values, outliers, and inconsistencies, to create interactive debt trend dashboards.

Real-time Data Streaming for Stock Market Prediction [GitHub]

University Of Windsor

Used: Linux, Python, LSTM, Tensorflow, YFinance, Amazon s3, SageMaker, Tableau

- Engineered real-time stock data pipeline from Yahoo Finance API, capturing over 95% of global trading activity.
- Boosted model accuracy by 12% and reduced training time by 15% through optimized feature extraction of 20+ technical indicators, and implemented scalable TensorFlow pipeline with LSTM networks for real-time data pre-processing and trading signal generation.

Movie Recommendation System using Hadoop [GitHub]

University Of Windsor

Used: Linux, Hadoop, HDFS, MapReduce, HTML, CSS, Javascript, Java

- Extracted and processed over 1 million movie entries from GroupLens using optimized HDFS Java algorithms, slashing processing time by 75%.
- Designed and developed a Java recommendation engine achieving over 90% accuracy in user genre-based movie suggestions, seamlessly integrated with a user-friendly web interface in HTML/CSS/JS for personalized movie recommendations.

EXTRA-CURRICULAR ACTIVITIES

- **Finalist, I-STORM State-Level Hackathon (2020):** Finalist in state-level I-STORM hackathon. Developed healthcare solution with blockchain in a team of two, showcasing rapid prototyping, innovative thinking, and expertise in emerging tech.
- **Volunteer Organizer, Coding Competition (2019):** Contributed to a team project developing an innovative robot car with color detection and specific movement capabilities, demonstrating technical skills and problem-solving prowess.
- **Participant, IIT Techfest (2018):** Volunteered as an organizer for a university coding competition, gaining valuable experience in event planning, coordination, and ensuring participant satisfaction.