RUTVIK JOSHI

Halifax, CA

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SKILLS

Business Analysis, Process Development, Strategic Planning, Data Analysis, Communication, Problem-solving, SQL, Relational Databases, Project Management Tools(Jira, Confluence), Tableau, Python, DeepLearning, Blockchain

EXPERIENCE

IT Developer   September 2023 - Ongoing
Canada Revenue Agency   *Canada, Remote*

- Analyzed business requirements for 12+ internal applications, coordinating with 14 team leads to document effort estimates. Developed new estimation templates, improving change estimation calculation.
- Optimized release scheduling and workload distribution view by developing 3 Jira dashboards using JQL, enhancing team efficiency. Conducted 50+ change management assessments with an average resolution of 3 days.
- Managed and monitored 65+ conversations for the Project Office of T3 tax file system, ensuring active resolution to inquiries and issues. Revising and suggesting impactful approaches to the supervisor for following up with 16 team leads and 6 cross-functional managers.
- Created 20+ Jira filters and 4 dashboards, saving the team 100 minutes daily and improving the visibility of urgent items. Automated critical reports in Excel for the sectional director, reducing report generation time by 40% and enhancing data accuracy.

Vessel Data Analyst   May 2023 - August 2023
Rimot.io(BlueGrid)   *Canada, Halifax*

- Analyzed energy consumption patterns of 3 lobster fishing vessels, achieving 94% correlation between cumulative energy and time, by processing and visualizing real-time data from CANEdge devices.
- Developed Grafana dashboards to evaluate vessel trips, resulting in the identification of data anomalies and discrepancies, through querying AWS Timestream using TSQL and creating visualizations for KPIs. Presented data-driven recommendations to management, influencing strategic decisions on fleet modernization.
- Optimized power-speed relationship analysis, achieving improved R2 values, by implementing various curve fitting methods including linear, cubic, and sigmoid fits. Conducted hypothesis testing in Python, achieving an 89% success rate in predicting vessel electrification.

Ecosystem Marketing Manager & Analyst   October 2021 - February 2023
Polygon Labs   *USA, Remote*

- Advising and consulting 45+ Blockchain Web3 projects with GTM strategies including the frameworks, and processes for the long-term sustenance of the projects. Partnering with 6 cross-functional global social engagement teams, and delivering high-impact presentations to senior executives.
- Synthesised multiple endpoints from internal and community-based narratives to script the monthly developer and institutional newsletter, bringing 5K+ and 900 readers with 23% open rates over a month.
- Developed a Python web application for user insights and analyzed DeFi projects using SQL, driving a 35% improvement in campaign effectiveness.
- Generated data-driven market research reports, leading to a 270% increase in social media engagement across multiple channels. Reported the insights to the CMO raising a propelling shift to the marketing strategy.

PROJECTS

[**Resume-Aid**](#) | *Python, Streamlit, Spacy, Numpy, Pandas*

- Simplified ATS compatibility checks by developing a resume evaluation tool using SpaCy, Scikit-learn, and cosine similarity, enabling users to optimize resumes for job descriptions.

- Processed resumes with doc2text and Rake NLTK to extract and score key phrases, improving applicant visibility in recruitment pipelines by up to 30%.

ExAncient | *Python, Flask, Tensorflow, SciKit-Learn*

- Imparted an experience of ancient style paintings with modern user input photographs using Image Style Transfer deep learning technique.
- Generate a romantic story based on the Photograph using a Convolutional Neural Network and a caption model generator with 95% accuracy.

FoodNCulture | *Java, Android, Figma, SOLID*

- Conceptualized and implemented a community-driven web platform using Java and MySQL, fostering cultural exchange by connecting hosts and guests through food-sharing events.
- Designed a robust backend architecture with modules for user authentication, payments, event management, and chat, ensuring seamless and secure user interactions.
- Enhanced user engagement through an interactive community forum and donation system, promoting inclusivity and sustainability within immigrant and student communities.

Inspiquote |*Python, Rest API, Numpy, Pandas*

- Created a daily motivational Twitter bot using Tweepy, Unsplash API, and Pillow, combining quotes with curated images, resulting in an engaging visual experience for users.
- Automated content generation with Rapid Automatic Keyword Extraction (Rake-NLTK) and scheduled posts via APScheduler, enhancing user interaction through timely motivational tweets and replies.
- Deployed on Heroku, ensuring scalable operations and consistent user engagement, including personalized direct messages and retweets every 8 hours.

Case-Predictor | *Python, Jupyter Notebook, Streamlit, SciKit-Learn, matplotlib*

- Engineered a machine learning library(infectpredict) leveraging ensemble models like LSTM, GRU, CNN, and meta-features to enhance prediction accuracy, achieving a Mean Squared Error (MSE) of 3575.
- Designed and deployed Case Predictor, an interactive Streamlit app powered by TensorFlow and Scikit-Learn, enabling real-time infection rate predictions.
- Applied advanced feature engineering and 3-fold cross-validation to optimize data preprocessing and modeling pipelines, improving convergence and reducing error rates.

EDUCATION

Master of Applied Computer Science
Dalhousie University *Halifax, CA*

Bachelor of Engineering in Computer Engineering
University of Mumbai(CGPA - 9.03/10) *Mumbai, IN*

ACHIEVEMENTS AND EXTRA-CURRICULAR ACTIVITIES

- **Awarded Best Hack** and **Best International Team** at Kent Hack Enough Hackathon 2020.
- Won the Saint Mary University's 1st Innovation Cup challenge among 17 teams. Awarded as the **best team lead** and winning team for York University's Business Analytics course with IBM.
- Mentored at Canada's biggest hackathon **Hack The North** and at North Texas's largest Hackathon **Hack-UTD**VII Seas. Led a team of 4 at 15+ international hackathons.
- **Guest Speaker** at Atlantic Canada's startup incubator Shiftkey Labs for Introduction to Blockchain.
- Won **Best Data Science** project at TheGoldenHack 2021 and overall **First** from 130+ projects at MLH DataDayGrind 2.0.