SREYANTH AKELLA

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EDUCATION

Bishop's University   Sherbrooke, QC, Canada
Master of Science in Computer Science   *January 2022 - January 2024*
Gandhi Institute of Technology and Management   Visakhapatnam, AP, India
Bachelor of Technology in Computer Science   *June 2016 - July 2020*

PROJECTS

AI Article Summary Website | *React, HTML, TailwindCss, Vite, RTK, Gemini API, UI/UX*

- Developed a sleek UI with React, Vite and TailwindCss that delivers outstanding ease of use.
- Implemented features like article history saved on the local device, rapidly fetching previous searches and reducing load times by over 80%.
- Programmed the website to be able to successfully parse any valid URL for information and provide its summary.
- Provided checks and error handling to ensure a 100% bug-free user experience.
- Deployed the website to a live server as a SaaS platform.

Sales Insight Dashboard | *PowerBI, ETL Operations, DAX*

- Executed the import of a large-scale MySQL OLTP database, implementing ETL and advanced data cleaning processes; optimised data integrity by 35% and accelerated reporting capabilities by 20%.
- Designed an interactive dashboard to have levels of specificity or abstraction relevant to making decisions for different markets over time, covering over 50 regional markets.
- The interactive dashboard boosts business analyst performance, reducing analysis time by 25% and enabling the identification of trends and specific outcomes, such as finding the best way to minimise risk and maximise reward or adding new products to popular segments.
- The data's Improved interpretability and consistency allow quick and informed data-driven decisions and increased productivity.

Diabetes Prediction Tool | Data Mining, R, Python, Statistical Analysis, Pandas, SQL

- Trained and compared 3 different classification models [K-nearest Neighbours, Bayesian, Decision Trees] to successfully predict a patient's chances of having diabetes by 80%
- Observed the models to learn the labels and attributes that are most likely to contribute to the prediction of diabetes.
- Designed parameters for dimensionality reduction of the dataset using principal component analysis and other statistical tools such as Linear Regression.
- Managed and presented the findings with the help of report-generation tools and visualisations to reduce paperwork by 60% and make stronger impressions.

Flight Data Analysis | *Python, Seaborn, Numpy, Matplot, Pandas, Data Modelling, Data Analysis, SQL*

- Ensured 100% data completeness, consistency and formatting by removing duplications, treating anomalies and adhering to best practices for format consistency. Eliminated factors that could induce bias to skew.
- Filtered data to maintain 100% anonymity for data privacy and integrity.
- Analyzed 500,000+ flight data records to identify trends in customer behaviour and airline reliability, enhancing scheduling efficiency by 20% during peak and off-peak periods.
- Formulated filters to find the dates when top carriers had disruptions and mark customer interactions with these carriers over time.
- Utilized these metrics to inform customers about predicted service outages or disruptions significantly elevating customer satisfaction.

WORK EXPERIENCE

IT Analyst   Bishop's University
September 2022-December 2023   *Sherbrooke, Quebec, Canada*

- Created, managed and triaged tickets efficiently and reduced ticket resolution times by 70% introducing new ticket types and pipelines.
- Analysed problems within the university infrastructure to help develop and implement solutions.
- Coordinated appointments for troubleshooting and boosted overall productivity by 30%.
- Managed VPN's and reduced network congestion.

Internship   Star Technologies
May 2019-June 2019   *Visakhapatnam, AP, India*
- Received training in the principles of Red Hat Enterprise Linux and scripting for administration.
- Configured virtual machines and file systems and scheduled tasks with batch or cron.
- Mastered networking fundamentals and web protocols/working like HTTP, DHCP and DNS concepts.
- Reached proficiency equivalent to Red Hat Certified Systems Admin (RHCSA).

SKILLS

Programming: Python, C++, C#, R, Scala, DAX
Web Development: React, NextJS, Tailwind CSS, HTML, CSS, JavaScript, SQL, NodeJS, React
Developer Tools & Libraries: Git, Bash, PowerBI, Figma, Visual Studio, Jupyter, Pandas, NumPy, Seaborn,