Gowtham S

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Carrer Objective

An Data Scientist with a strong background in statistical analysis, machine learning, and data visualization. Proficient in utilizing various programming languages and tools to extract insights from complex datasets. Experienced in developing predictive models and optimizing data-driven strategies to drive business growth. Seeking to leverage my skills and knowledge to contribute to cutting-edge projects within a dynamic and innovative environment.

Education

Panimalar Institute of Technology **Aug. 2016 – Apr 2020**
Bachelor of Engineering in Electrical and Electronics *Chennai, TN*

Technical Course

Guvi **Nov. 2024 – May 2025**
*Full stack **DATA SCIENCE** Engineer* *Chennai, TN*

Technical Skills

Data Science/ Machine Learning/ Deep Learning

Python, MySQL, Data Visualization, Supervised learning algorithm, Unsupervised learning algorithm, Deep learning, Deep learning with PyTorch, Natural Language Processing, EDA, Feature engineering, Feature selection and extraction.

Python packages and DataBases

Pandas, Sckit-Learn, Numpy, Matplotlib, Streamlit, Tensorflow

Visualization Tool

Powerbi, Tableau

Experience

Prochant **Nov2024 – Present**
Senior Process Executive *Chennai, TN*

- Allocated insurance claims to users through client portals and automated the segregation of workable vs non-workable claims by converting JSON data to Excel using Python (pandas, openpyxl).
- Created automated Power BI dashboards and visualization tables to track user-wise production, calling hours, and performance by dollar value and claim age (e.g., 60+, 90+ days).
- Segregated claims as collectible or non-collectible based on payer response patterns and historical resolution data to streamline follow-up workflows.
- Built interactive Power BI visuals showing trends in call vs non-call resolution, user productivity, and claim status by category.
- Analyzed high-dollar patient accounts, visualizing follow-up performance using line and bar charts in Power BI to support client strategy calls.
- Identified denial claim trends and visualized denial causes by payer and procedure, enabling clients to reduce future denial occurrences with targeted action plans.

Technosoft global services **Mar 2023 – Nov2024**
Senior Executive *Chennai, TN*

- Worked as Senior Executive in US Healthcare Domain and Experienced in Revenue Cycle Management, Claims Analysis, Automation, and Client Reporting .
- Led claims assignment operations from multiple client systems, developing Python scripts to process JSON claim data and export structured Excel reports.
- Built comprehensive Power BI dashboards with dynamic filters and drill-downs to display user production KPIs, aging buckets, and resolved claim types (collectible/non-collectible).
- Conducted deep analysis on high-value and denied claims, incorporating Power BI dashboards in monthly client review decks to support strategic decision-making.
- Partnered with analysts and developers to automate Power BI data refresh schedules and ensure dashboard integrity across large datasets.

Access Healthcare **Dec 2021 – Sept 2022**
Client Patner *Chennai, TN*

* Dynamic and results-oriented Client Partner with a wealth of experience in the healthcare industry, particularly within the realm of Access Healthcare.
* Excel in understanding their unique needs and developing tailored solutions to drive operational excellence and improve patient outcomes.
* Bring a blend of business acumen, domain expertise, and a customer-centric approach to every interaction.
* Thrive in fast-paced environments where innovation and continuous improvement are valued.

Greater Chennai Corporation **May 2020 – Dec 2021**
Data Processing Associate *Chennai, TN*

* Have taken part in the COVID-19 Emergency team by working as a Data processing associate and the major role in collecting the data of virus outbreak in Chennai Corporation in Ambattur Zone.
* Maintain and update databases to ensure data is current and correctly stored.
* Verify the integrity of data by conducting regular audits and validation checks. Identify and resolve data discrepancies and errors.
* Communicate any data issues or anomalies to relevant teams for resolution. Protect sensitive data by following security protocols and maintaining confidentiality. Implement data backup and recovery procedures.

Projects

Tourism Experience Analytics using Machine Learning
* Analyzed user preferences, travel patterns, and attraction data to build ML models for regression, classification, and recommendation tasks.
* Developed a regression model to predict user ratings for tourist attractions using historical data, demographics, and attraction features.
* Built a classification model to identify the mode of visit (e.g., solo, family, business) based on user and location data.
* Created a recommendation system to suggest attractions using collaborative filtering and similarity-based approaches.

Predicting Crop Production using Agricultural Data
* Built a regression model to forecast crop production based on area harvested, yield per hectare, and year for multiple crop types.
* Utilized Random Forest Regressor to improve prediction accuracy and handle feature variability.
* Deployed the model using Streamlit to allow interactive prediction of total production for a given region and year.

Game Analytics: Unlocking Tennis Data with SportRadar API
* Designed a full pipeline to ingest and analyze tennis tournament data from the Sportradar API.
* Parsed complex JSON data and structured it in a relational database to support efficient querying.
* Delivered visual and interactive insights on tournament structures, event metadata, and competition trends for analysts and sports organizations.

Bird Species Observation Analysis
* Created interactive visualizations using Power BI for both forests and grasslands datas.
* The project aims to analyze the distribution and diversity of bird species in two distinct ecosystems: forests and grasslands.
* By examining bird species observations across these habitats, the goal is to understand how environmental factors, such as vegetation type, climate, and terrain, influence bird populations and their behavior.
* The study will involve working on the provided observational data of bird species present in both ecosystems, identifying patterns of habitat preference, and assessing the impact of these habitats on bird diversity.
* The findings can provide valuable insights into habitat conservation, biodiversity management, and the effects of environmental changes on avian communities.

Personal Information

- Gender : Male
- Martial status : Single
- Language known : English, Tamil

Declaration

I hereby certify that the above information is true and correct to the best of my knowledge and belief.

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