Revanth Krishna

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Recent Business Analytics graduate with a passion for data science, looking to apply my improved analytical & machine learning skills to drive business success.

EDUCATION

University Of Galway J.E. Cairnes School of Business & Economics   **September 2023 – July 2024**
Master of Science in Business Analytics (Result**: 1.1**)   *Galway, Ireland*
Relevant Courses: Statistical Techniques for Analytics, Advanced Programming (Python), Big Data Analytics, Decision Theory AI & Analytics

- **Top 10** in MS5128 – Selected to represent University at a Datathon in Toulouse Business School, France.
- **Top 1%** in MS5114 – Advanced Programming for Business Analytics. (94/100).

PES University   **August 2016 – August 2020**
Electrical And Electronics Engineering (Result**: 2.1**)   *Bangalore, India*

WORK EXPERIENCE

Standard Chartered Bank Global Business Services   **December 2021- July 2023**
Developer (Machine Learning)   *Bangalore, India*

Agile Monitoring (Fin-tech Finder & Anomaly Detector)
The project's objective is to identify the undeclared fin-tech clients of the bank along with enhanced client insights. The scope of the project extended to building and deploying a near-real time anomalous activity monitoring across any customer segments.

- Enhanced machine learning models by developing new features using the **C3 AI Suite**, resulting in a **20% reduction in training time** and a **15% increase in accuracy**.
- Designed **end-to-end streaming data pipelines** involving batch and daily streaming data ingestion, feature engineering, model training, and real-time alerts generation on interactive dashboards.
- Successfully implemented an **automated feedback loop** empowering users to flag fin-tech entities identified by the model, resulting in **real-time performance enhancement**.
- Collaborated with business analysts and data scientists in a cross-functional team to design data attributes that enabled actionable insights, improving data-driven decision-making and supporting strategic business objectives.
- Conducted comprehensive batch job testing, **reducing the error rate by 20%** and ensuring the reliability of new features, increasing overall system reliability.
- Utilized **MLflow** for seamless model experiments, training, and deployment, while integrating MLflow projects into **CI/CD** pipelines for continuous model training in production.
- Designed and implemented user interface components, including responsive forms, reports, and dashboards (using **JavaScript**) in the **Newgen iBPS**, supporting machine learning models and enhancing user experience for relationship managers.
- Defined essential business objects and data schemas (using **SQL**), contributing to a decrease in data mapping errors and process automation time.
- Configured process models for automation using Newgen iBPS, resulting in a **20% reduction in data intake processing time.**
- Delivered project updates to Product Owner, contributing to an increase in project efficiency and **co-improved 20+ user stories**.

Standard Chartered Bank Global Business Services   **August 2020 - December 2021**
Data Analyst   *Bangalore, India*

White Panda Dashboard
To develop an insightful dashboard that delivered an overview and in-depth visualization of various metrics for measuring bank-wide performance of projects and business areas over time.

- Created interactive multiple **tableau** dashboards with drill-down functionality for **6 different domains**, enabling in-depth analysis of **30+ metrics** and trends over a span of 6 months.
- Developed an **Alteryx pipeline** for ingesting data and applying various LOD (Level of Detail) calculations before creating the worksheets for the dashboards.
- Implemented **Tableau** and **Tableau Prep** to automate data flows, **reducing data collation time by 30%,** thus accelerating the timeline for strategic insights generation.
- Integrated data from multiple sources using **SQL** and **Python**, delivering reliable datasets that reduced Tableau dashboard load times by **50%**, boosting performance.
- Presented analytical insights and dashboard demos to the CIO and senior stakeholders, effectively **communicating complex data in a comprehensible manner**, contributing to informed data-driven decisions.

SKILLS

- Programming: **Python** (Pandas, NumPy, Scikit-learn, TensorFlow), **R**, JavaScript, C/C+
- Database: **PostgreSQL, MySQL**
- Project Management: Agile, Scrum, Jira, Confluence, Bitbucket
- Version Control: GIT
- Cloud Computing (AWS) & Big Data (**Hadoop, Hive, Spark**)
- Excel Data Mining (XL Miner)

PROJECTS

AI Detector for Distinguishing Between Human-written and AI-generated Text   **February 2024 – April 2024**
- Developed a machine learning model using data scraped from multiple sources (using **BeautifulSoup** & **Selenium**) and synthetic data generated via **GPT-2** (HuggingFace Pipeline), using **NLP feature engineering** to distinguish between AI-generated texts and human-written content.
- Achieved a robust **F1 score of 0.954** using an **ensemble method**, demonstrating effective differentiation between human and AI-generated texts and enhancing content verification and academic integrity. [[Link to Repository]].

Predictive Modeling for Song Popularity   **December 2023 – January 2024**
- Developed a predictive model for song popularity using a comprehensive dataset from Spotify.
- Optimized and fine-tuned machine learning models, shifting focus from regression models to classification approaches due to superior performance (**15% increase in accuracy**), conducted **feature importance analysis**, and provided insights to support decisions in artist signings and marketing strategies in line with music trends. [[Link to Repository]].

YouTube Channel Engagement Optimization   **October 2023 – December 2023**
- Analyzed video engagement metrics and viewer interactions on my YouTube channel, extracting data via the **YouTube API** and processing it with libraries such as **Pandas, NumPy,** and **Scikit-learn.**
- Applied advanced data analysis and machine learning techniques, achieving a **classification accuracy of 75%** in predicting engagement levels, which informed strategic content adjustments. [[Link to Repository]].

AWARDS AND ACHIEVEMENTS

- Secured **2nd** place for **Business Case Presentation Award** at the Toulouse Business School (TBS) Datathon 2024, France.
- Secured **Best Delegate Award** across various Model UN conferences across India.