HEMANTH RAMESH

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2+ years experienced, result- driven **Data Analyst**, expertise in implementing data quality control measures, developing comprehensive data solutions, and using tools like SQL, Python, and BI software for data manipulation.

PROFESSIONAL EXPERIENCE

Data Scientist | Celstream Technologies, Bangalore, India   Jan - Aug 2022
Tech-Stack: *Python, ML algorithms, Recommendation Engine, AWS services, Docker, Flask, Data Analysis, Linux, Jira*
- Centralized ML and AI tasks across AWS environments using **Dataiku DSS**, boosted data pre-processing efficiency by **25%**
- Engineered **end-to-end ML pipelines** in DSS, that achieved digital transformation for **Enterprise AI** customers saving operational costs by 30% and cut manual labor by over **100 hours** monthly through strategic process optimization
- Tackled application performance, log management issues in production through adept linux scripting, testing & debugging
- Designed dashboards with 10+ KPIs metrics, enhancing ML model performance tracking and data insights deliver
- Implemented collaborative filtering system, resulting in a **40% revenue increase** via personalized product suggestions

Data Intelligence Analyst | Lifesight, Bangalore, India   Sept - Dec 2021
Tech-Stack: *Python, Apache Spark, Airflow, Google Cloud Services, Jenkins, Snowflake*
- Developed data-driven attribution models & analyze mobility, audience & location data, resulting in **$200K+** rise in revenue
- Automated ETL/ELT workflows using cloud data platforms, handling over **1M+** data rows, reducing manual effort by 75%
- Reduced POC delivery time by over **60%** through effective coordination between Sales/CSM and Data Engineering team

Data Analyst Intern | R3 Media Labs, Kanpur, India   Jan - Aug 2021
Tech-Stack: *Python, Regression models, MS SQL Server, MongoDB, Crazy Egg*
- Developed **XG Boost Model** for Customer Churn boosting customer retention of mooKIT Platform by **15%**
- Strategically analyzed 100GB of structured & unstructured click-stream data to identify user engagement strategies
- Enhanced platform revenue by **$10,000** and user engagement by **12%** through strategic Python-based **A/B tests**

Graduate Student Mentor and Vice-Captain of Cricket Academy | Northeastern University   Mar – Present
- Guided **30+** graduate students to academic success and led the team to victory in **Nationals** (Texas) and **Regionals** (MA)

KEY PROJECTS

Machine Learning: End-to-End Regression model | *Regressors, Flask, Azure, AWS, Docker, CI/CD, Git Actions*
- Engineered **production-grade ML model** employing column transfer pipeline, with 95.3% accuracy by R2 score comparison
- Launched application on AWS Beanstalk, Azure Web App, by CI/CD pipelines via GitHub Actions with container registries

Boston Realty- In-Depth Insights and Interactive Dashboards | *Python, SQL, Tableau, Databricks*
- Revolutionized Boston's housing search with data-driven solution, utilizing web crawling for data collection
- Enhanced user experience with real-time dashboards & deployment via PySpark and Databricks automation

Analysis of the failure of Silicon Valley Bank | *R, Financial Analysis, Data Visualizatio, Excel*
- Analyzed SVB's growth and deposit trends through extensive EDA and visualization, identifying critical insights that highlighted deficiencies in decision-making and risk management strategies
- Forecasted first republic bank's challenges by monitoring key indicators like substantial municipal securities investments, demonstrating the predictive accuracy of the analytical framework developed for SVB

TECHNICAL SKILLS

Languages: Python (Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, SciPy, SQL Alchemy, TensorFlow, NLTK, Flask), SQL, R
Data Engineering: ETL/ELT, Apache Spark, MySQL, SQL Server, NoSQL, Airflow, Data governance, Quality control
Technologies: Tableau, Power BI, Google Data Studio, Looker, AWS (Glue, Athena, QuickSight), GCP (BigQuery, Data Studio), Advanced Excel (Pivot Tables, VLOOKUP, Macros), GIT, Agile and Scrum Methodology, JIRA
Analysis: Statistical analysis, predictive modeling (Regression, Classification, Clustering, PCA), Time series analysis, segmentation analysis, hypothesis testing, A/B testing

EDUCATION

Northeastern University (Boston, MA) | Master *of Science* in *Data Science*   **April 2024**
Courses: AI Metrics and Losses, Computational Visualization, Project Management, Database Design, Data Mining

PES University (Bangalore, India) | Bachelor of Engineering *in Electronics and Communication*