Sai Chandan Raju Padmaraju
Data Scientist
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SUMMARY

Data Science with around 4 years of experience strategically leveraging advanced analytics and machine learning to drive transformative business solutions. Well-versed in deploying machine learning algorithms like Linear Regression, Logistic Regression, Decision Trees, Random Forests, SVM, KNN, and CNN to deliver scalable and impactful data science solutions. Experienced in leveraging NumPy, Pandas, Matplotlib, Seaborn, SciPy, etc., for data preparation, exploratory data analysis, and model development. Hands-on expertise with cloud technologies such as AWS, Azure, GCP, Databricks, and Snowflake to create robust and scalable data pipelines and analytics platforms. Adept at building intuitive and interactive dashboards with Tableau, Power BI, and SRSS, enabling effective data visualization and insights sharing with stakeholders. Good foundation in database management using SQL Server, Oracle, etc., ensuring efficient data retrieval and transformation.

SKILLS

Methodologies: SDLC, Agile, Waterfall
Languages: Python, R, SQL, SAS
IDEs: Visual Studio Code, PyCharm, Jupyter Notebook
Packages: NumPy, Pandas, Matplotlib, SciPy, Scikit-learn, Seaborn, TensorFlow, Ggplot2, Keras
Machine Learning Algorithms: Linear Regression, Logistic Regression, Decision Trees, Random Forests, Support Vector Machines (SVM), Naive Bayes, K-Nearest Neighbors (KNN), K-Means Clustering, Gradient Boosting (XGBoost, LightGBM), CNN, Ensemble Methods
Cloud Technologies: AWS, Azure, GCP, Databricks, Snowflake
Visualization Tools: Tableau, Power BI, SRSS
Databases: SQL Server, MySQL, PostgreSQL, Oracle
Version Control Tools: Git, GitHub, GitLab
Operating Systems: Windows, Linux, Mac

EXPERIENCE

PTC, USA | Data Scientist   **Dec 2024 - Present**
- Organized machine learning models, including Linear Regression, Logistic Regression, and Decision Trees, achieving up to 92% accuracy in predictive analytics to optimize business decisions.
- Designed and executed deep learning models with TensorFlow and Keras, delivering automated image recognition solutions with 95% classification accuracy, significantly reducing manual processing time.
- Constructed scalable and secure data pipelines using Azure, Databricks, and Snowflake, enhancing real-time analytics capabilities and reducing data processing latency.
- Industrialized actionable dashboards and reports using Tableau and SRSS, increasing stakeholder engagement and accelerating data-driven decision-making.
- Managed relational databases such as PostgreSQL and Oracle, ensuring efficient query performance and data integrity across enterprise systems.

Scale AI, Remote | Data Scientist   **Jun 2023 - Nov 2024**
- Developed and deployed machine learning models to improve data annotation accuracy and efficiency.
- Conducted exploratory data analysis to identify trends, patterns, and insights from structured and unstructured data.
- Automated data preprocessing pipelines, reducing manual workload by 30%.
- ODBC connections to SQL Server - MS Access and Excel.
- Reports Automation utilizes Access, Excel, SSRS, and SQL Server.
- Converted MS Access to SQL Server - Ran Access & Excel Reports directly off SQL Server.
- Built predictive models that optimized operational workflows, improving efficiency by 25%.

Dsquare Technologies, India | Data Scientist   **Jan 2020 - Nov 2021**
- Worked within Waterfall project management frameworks to successfully deliver data science projects on time and within defined scope, improving overall project efficiency and stakeholder satisfaction.
- Conducted in-depth analysis of large datasets using SQL and SAS, streamlining data extraction and transformation processes to enhance reporting efficiency and accelerate business decision-making.
- Designed and implemented predictive models using machine learning algorithms such as Random Forest, SVM, Naïve Bayes, and K-Nearest Neighbors (KNN), achieving high model accuracy and providing valuable business insights.
- Operated NumPy, Pandas, and Matplotlib to preprocess, analyze, and visualize complex datasets, facilitating data-driven decision-making and improving stakeholder comprehension of key trends.
- Established and deployed scalable data pipelines and machine learning models on AWS and GCP, ensuring robust security, seamless integration, and optimized performance within enterprise environments.
- Created dashboards and reports using Power BI, enabling real-time insights and improving data accessibility across multiple departments for strategic decision-making.
- Optimized database performance and maintained data integrity in SQL Server and MySQL, enhancing efficiency in high-volume transactional systems.

EDUCATION

Master of Science in Data Science | The University of Texas at Arlington, Arlington, TX   **May 2023**
Bachelor of Science in Computer Science | IIIT Bhubaneswar, India   **May 2021**

CERTIFICATIONS
- AWS Certified Data Analytics – AWS
- Google Data Analytics Certificate – Coursera
- SQL for Data Science – LinkedIn Learning