

PRUDHVI SAI DODDA

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Professional Summary

Data Analyst with expertise in SQL, Power BI, and Python, delivering actionable insights and predictive models. Built Power BI dashboards for 30+ stakeholders and a churn model with 87% accuracy. Eager to drive business value through data analytics and predictive modeling.

Technical Knowledge

- **Programming Languages:** Python, SQL, C++, C, Java, HTML, CSS, Angular
- **Tools/Frameworks:** OpenCV, Pandas, Sci-kit, TensorFlow, Seaborn, PySpark, Flask, Git, Apache Spark, Databricks, Docker, Power BI, Kubernetes
- **Cloud Platforms:** AWS, Google Cloud Platform (GCP), Microsoft Azure Analytics Platform
- **Databases:** MySQL, SQL Server
- **Data Science & Analytics:** Machine Learning, Data Analysis, Deep Learning, NLP, Sentiment Analysis, Computer Vision, MLOps, Big Data Analytics, Clustering, Anomaly Detection

EDUCATION

Southern Illinois University - Carbondale, IL

Aug 2023 - May 2025

Master of Science, Computer Science

- **GPA:** 4.0/4.0

WORK EXPERIENCE

Komatsu

May 2024 - Jan 2025

Data Analyst Intern

- Developed Power BI dashboards to visualize customer training metrics, enabling downloadable visuals and individual-level insights, improving decision-making for 30+ stakeholders.
- Built a customer-facing website using PHP and SQL, embedding real-time Power BI visuals and user profiles for 10+ companies, accessible without Power BI connection.
- Automated PDF report generation for training data, reducing processing time by 20% and independently adapting features to meet project needs.
- Defined 3 KPIs and reported daily progress to manager and supervisor, ensuring streamlined project delivery and stakeholder alignment.

WSIU

Feb 2024 - May 2025

Web Developer-Part time

- Optimized web pages using Angular and Flask, leveraging user interaction data to improve accessibility, increasing engagement by 15% over 3 months via Google Analytics.
- Analyzed site traffic data to identify user behavior trends, guiding content optimization for promotional campaigns, reaching 500+ monthly users.
- Enhanced stakeholder engagement by aligning web content with data-driven promotional strategies, supporting 5+ marketing campaigns.

Tata Consultancy Services

May 2022 - Aug 2023

Data Scientist

Hyderabad

- Built a customer churn prediction model using Python, Scikit-learn, and XGBoost, leveraging gradient boosting to achieve 87% accuracy on 15K+ customer records.
- Prepared 100K+ customer records using Pandas and SQL, ensuring high-quality data for model training.
- Enhanced model performance through feature engineering and hyperparameter tuning, improving accuracy by 10%.
- Deployed model via Flask API and visualized insights using Power BI, driving 12% churn reduction over 6 months for 25+ client stakeholders.

Smart Internz

Jun 2021 - Aug 2021

Data Analyst

Remote

- Preprocessed 1K+ patient records using Python and Pandas, addressing missing values and outliers to enhance data quality for modeling.
- Built a heart failure prediction model using machine learning techniques, achieving 83% accuracy on 1K+ patient records.
- Evaluated models through performance metrics and root cause analysis, selecting the optimal model to improve prediction reliability.