Sai Deepak Sharma Nadiminty

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EDUCATION

Arizona State University, Tempe, AZ   Aug 2024 – May 2026
M.S. in Data Science (Computing and Decision Analytics)   GPA: 3.8/4.0
SRM University AP, India   Sep 2020 – Jul 2024
B.Tech. in Computer Science and Engineering (AI & ML)   GPA: 8.5/10

TECHNICAL SKILLS

Languages: Python, R, SQL, JavaScript, C++
Frameworks/Tools: Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, Tableau, Power BI, Git, Airflow
Databases/Platforms: PostgreSQL, MongoDB, MySQL, Firebase
Focus: Predictive Modeling, Data Analysis, Visualization, ML Pipeline Development

EXPERIENCE

ASU Knowledge Enterprise — Tempe, AZ   Aug 2025 – Present
Data Science Research Assistant

- Built predictive models for engagement metrics using gradient boosting and regression techniques.
- Created interactive dashboards for 10+ KPIs to inform leadership decisions.
- Automated ETL pipelines using Python, Pandas, and Airflow to streamline data workflows.
- Applied statistical analysis and A/B testing to quantify impact of new initiatives.

Wipro Technologies — Hyderabad, India   Apr 2024 – Jul 2024
Machine Learning Intern

- Developed intent detection ML pipelines using TF-IDF, logistic regression, and scikit-learn.
- Conducted cross-validation, hyperparameter tuning, and model error analysis to improve F1 by 18%.
- Collaborated with backend engineers to deploy models via Flask APIs for real-world testing.

SELECTED PROJECTS

Firearm Crime Prediction Model ASU   Jan 2025 – Apr 2025

- Built gradient boosting and random forest models to analyze national firearm trends.
- Applied statistical inference, hypothesis testing, and uncertainty quantification to validate findings.
- Produced visual reports to communicate trends to non-technical stakeholders.

Space Missions Analytics Dashboard ASU   Feb 2025 – May 2025

- Designed end-to-end analysis pipeline for mission budgets, durations, and orbital parameters.
- Visualized results using Plotly and D3.js for interactive stakeholder reports.
- Implemented dynamic filtering and drill-down features to explore historical mission data.

Customer Churn Prediction Personal   Nov 2023 – Jan 2024

- Built logistic regression model with SHAP interpretability to predict churn.
- Performed EDA, feature engineering, and KPI-based evaluation.
- Generated actionable recommendations to improve customer retention strategies.

RELEVANT COURSEWORK & TRAINING

Statistical Modeling, Machine Learning, Data Mining, Predictive Analytics, Data Visualization, Python, SQL, Tableau, AWS ML, TensorFlow, PyTorch

LEADERSHIP & CERTIFICATIONS

AI Society (ASU) – Member
Data Science Club (SRM AP) – Technical Team
Certifications: Google Data Analytics, AWS Machine Learning, IBM Statistics Foundations