





MithilRavulapalli_Resume

MITHIL RAVULAPALLI

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SUMMARY

Data Science student skilled in Python, R, and SQL with hands-on experience in machine learning, statistical analysis, and data visualization. Comfortable with NumPy, Pandas, Scikit-learn, TensorFlow, and building dashboards that translate data into business insights.

EDUCATION

B.S. in Data Science, University of Illinois at Chicago (UIC) — Expected May 2026

Relevant Coursework: Machine Learning, Statistical Analysis, Data Structures, Business Analytics

TECHNICAL SKILLS

- **Languages:** Python, R, SQL, C, C++, Java, SAS
- **ML/AI:** Scikit-learn, TensorFlow; Decision Trees, Random Forests, SVD, TF-IDF, Neural Networks, Autoencoders
- **Analysis/Viz:** NumPy, Pandas, Matplotlib, Seaborn, Power BI, Tableau
- **Databases/Tools:** MySQL, MariaDB, Jupyter, VS Code, Google Colab, GitHub
- **Other:** EDA, Hypothesis Testing, Cross-validation, Feature Engineering, Excel, LaTeX, Linux (WSL)

PROJECTS

Recommendation System (Aug 2024)

- Built recommendation engine combining collaborative and content-based filtering (TF-IDF, SVD).
- Explored deep learning (autoencoders) for complex user–item interactions; evaluated with precision, recall, RMSE.

Predicting Potential Customers (Jul–Aug 2024)

- Developed lead-to-customer conversion model using Decision Trees and Random Forests with hyperparameter tuning.
- Assessed with cross-validation, confusion matrix, and ROC curves.

Tata Data Visualization: Business Insights (Oct 2024)

- Produced executive-ready dashboards and visual storytelling in a Tata Consultancy Services simulation.
- Delivered actionable insights to support data-driven decisions.

Food Hub Analysis (May–Jun 2024)

- Analyzed restaurant demand and customer preferences; built visuals for order distribution and trends.
- Applied statistical methods to inform business strategy.

EDUCATION

BACHELOR OF SCIENCE IN DATA SCIENCE, *University of Illinois at Chicago*

Expected: May, 2026

CERTIFICATION

Data Science and Machine Learning: Making Data-Driven Decisions

MIT IDSS (May–Sep 2024)

HIGHLIGHTS

- End-to-end project experience from data prep to model evaluation and insight delivery
- Proficient in supervised and unsupervised learning and statistical analysis
- Strong data storytelling and dashboarding for business audiences