Srivatsa Kuchibhotla

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Education

Purdue University West Lafayette, IN

B.S. in Data Science, B.S. in Statistics: Math Emphasis, Minor in Economics *Aug. 2024 – Dec. 2027*

- **Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Linear Algebra, CS/Statistics for Data Science, Real Analysis, Econometrics, Probability, Discrete Mathematics, Calculus I–III

Experience

Dataception Vice President April 2025 – Present

Purdue University *West Lafayette, IN*

- Leading Purdue's largest data science club, driving student engagement in projects, research, and internships through targeted skill-building initiatives in Python, pandas, NumPy, and machine learning
- Teaching over 60 members with interactive workshops and mentoring programs that accelerate members' technical growth and project outcomes
- Leading planning efforts for a campus-wide hackathon, building partnerships with organizations and industry sponsors to foster innovation and collaboration

Undergraduate Research Presenter Nov. 2024 – April 2025

Purdue University *West Lafayette, IN*

- Built a random forest classifier on 15 years of NBA data to predict the 2025 champion, integrating metrics such as win percentage, efficiency ratings, scoring margins, and accolades
- Achieved perfect prediction accuracy for 2025 champion among 30 potential teams, outperforming baseline statistical models by 25%
- Delivered findings through presentations to faculty and peers, including a 15-minute research talk to judges, earning recognition as a finalist for the Data Stewardship Award

Projects

NBA Predictive Analytics | *Python, Web Scraping, seaborn, Scikit-Learn, APIs* Nov. 2024 – April 2025

- Developed predictive models on 15 years of NBA team data using APIs and web scraping to identify performance drivers of championship teams
- Improved model accuracy by 20% by integrating efficiency metrics, ranking differentials, and analyzing correlations of team success factors
- Enhanced insights by visualizing patterns via histograms, scatter plots, box plots, and heatmaps in Matplotlib and seaborn
- Streamlined data pipeline with Git version control, improving model consistency and increasing overall collaboration

Data Science Lead - Veterans & Military Success Center | *NumPy, Pandas, Matplotlib, Git* April 2025

- Increased event attendance by 25% at Purdue's Veterans and Military Success Center by analyzing participation, login, and company visit data to identify actionable trends
- Partnered with a cross-functional team to translate data insights into targeted outreach and event planning strategies across multiple campuses
- Improved data reliability by cleaning kiosk scan data in pandas, resolving timestamp inconsistencies, filling missing entries, and removing duplicates
- Built interactive dashboards to communicate findings and support decision-making, enabling administrators to track engagement in real time

Technical Skills

Languages: Python, Java, SQL, R
Developer Tools: Git, Tableau, Power BI, Visual Studio, RStudio, JetBrains, Jupyter Notebook, Vim, Excel
Libraries: pandas, seaborn, Beautiful Soup, NumPy, Matplotlib, scikit-learn