

# Srivatsa Kuchibhotla

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## EDUCATION

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### Purdue University

*B.S. in Data Science, B.S. in Statistics: Mathematics Concentration*

West Lafayette, IN

Aug 2024 — Dec 2027

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

## EXPERIENCE

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### Research Assistant

Purdue University, School of Sustainability and Environmental Engineering

Jan 2026 — Present

West Lafayette, IN

- Working under Professor Xinyu Zhang on sustainability and environmental engineering research, contributing through direct involvement in data collection, data cleaning, analysis, and interpretation
- Used Python libraries like NumPy, pandas, and matplotlib to clean, process, and analyze large datasets in order to extract meaningful trends and support empirical research findings
- Conducted comprehensive literature reviews of relevant papers while writing an academic paper currently in progress for publication, serving as first author

### Mathematics Tutor

Chinmaya Mission

Aug 2022 — Jun 2023

Cranbury, NJ

- Improved foundational math proficiency for elementary students, as measured by consistent score gains on monthly assessments, through one-on-one instruction and small-group sessions that simplified core concepts
- Addressed gaps in problem-solving and confidence by designing interactive, hands-on activities, resulting in stronger skills and a more positive attitude toward math
- Led review sessions and progress evaluations, clarified misconceptions through guided practice, and helped students consistently apply problem-solving strategies independently

## PROJECTS

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### Event Attendance Dashboard, Purdue Veteran & Military Success Center

Apr 2025 — May 2025

- Increased event attendance by 25% by analyzing participation, login, and company visit data with Python libraries like pandas and NumPy to identify attendance patterns
- Cleaned kiosk scan data by resolving timestamp inconsistencies, filling missing values, and removing duplicates, improving data reliability for analysis and reporting
- Built visualizations for an interactive dashboard using matplotlib and managed the project with Git, collaborating directly with clients to explain technical findings to non-technical audiences

### NBA Predictive Analytics, Purdue Undergraduate Research Conference

Nov 2024 — Apr 2025

- Built a Random Forest classifier in Python using scikit-learn on 15 years of NBA team data, successfully predicting the 2025 NBA champion by engineering efficiency metrics and ranking differentials
- Developed a reproducible data pipeline by collecting NBA statistics via public APIs and web scraping, cleaning and structuring data with pandas and NumPy, and managing the project with Git to support collaboration and version control
- Presented findings at a research conference and was recognized as a finalist for the Data Stewardship Award, emphasizing the effective data organization and analytical rigor of the project

## EXTRACURRICULAR ACTIVITIES

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### Data Science Club

Apr 2025 — Present

- Vice President of Purdue's largest data science club, increasing member engagement in projects and research through organized skill-building initiatives in data science and machine learning
- Designed and delivered interactive workshops and mentorship for 30+ members, accelerating growth and improving the quality of student-led research projects
- Built partnerships with student organizations across campus to organize a cross-club hackathon, resulting in a campus-wide hackathon attended by hundreds of students

## SKILLS

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- **Programming Languages:** Python, Java, SQL, R
- **Developer Tools:** Git, Excel, Tableau, PowerBI, MySQL, MongoDB
- **Libraries:** pandas, NumPy, matplotlib, seaborn, scikit-learn, PyTorch, Beautiful Soup