

# Vibhasri Kandukuri

[vibhasrik@gmail.com](mailto:vibhasrik@gmail.com) — [linkedin.com/in/vibhasrik](https://linkedin.com/in/vibhasrik) — [github.com/vibhasrik](https://github.com/vibhasrik) — [vibhasri-kandukuri.vercel.app](https://vibhasri-kandukuri.vercel.app)

## EDUCATION

- **Purdue University** West Lafayette, IN  
*B.S. in Computer Science, Machine Learning Concentration, Minor in Finance* Aug. 2023 – Dec. 2026

## EXPERIENCE

- **Undergraduate TA Scrum Master** West Lafayette, IN  
*Lincoln Financial Group, The Data Mine, Purdue University* Aug 2025 - Present
  - Leading a team of 11 to develop predictive modeling on financial datasets using Python and ML techniques
  - Coordinating sprints, deliverables, and stakeholder updates using agile practices
- **Team Lead and Software Engineering Researcher** West Lafayette, IN  
*AgRPA, The Data Mine, Purdue University* Aug 2024 - May 2025
  - Optimized drone mapping and targeted fertilizer application (cut costs by 30-70% and decreased runoff)
  - Developed a Python script to generate flight waypoints from shapefiles in QGroundControl, optimizing battery efficiency and image resolution
  - Acted as sub-team lead, managing all cross-team and mentor communication
- **Data Science Intern** Remote  
*Vizzhy* May 2024 - Aug 2024
  - Analyzed patient data with Python (Pandas, NumPy) and visualized health trends to inform diabetes preventative care
- **Machine Learning and Data Science Researcher** West Lafayette, IN  
*Caterpillar, The Data Mine, Purdue University* Aug 2023 - May 2024
  - Developed Flutter app enabling EV fleet managers to track battery status with notifications
  - Applied time series with ARIMA to predict state of charge and optimize charger scheduling
- **Team Lead and Web Developer Intern** Remote  
*Hampshire Academia* Jun 2022 - Nov 2022
  - Led 5-member team developing responsive web apps in HTML/CSS.
  - Acted as scrum master, aligning stakeholder requirements with agile sprints.

## PROJECTS

Shell Interpreter – Mar 2025	Android SQLite Java Bookstore – Apr 2023
Simple C Compiler – Nov 2024	Java Marketplace – Nov 2023
Personal Malloc in C – Jan 2025	Solar Energy Forecasting – Apr 2025

## SKILLS

**Languages:** Python (Pandas, NumPy), Java, C, R, Bash, Dart, HTML/CSS, SQLite, x86-64  
**Tools:** GitHub, Agile, QGroundControl, Jupyter, LaTeX, Notion, Microsoft Suite