

ISHYA JALLA

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EDUCATION

B.S. in Computer Science, Data Science, Purdue University; West Lafayette, IN Expected May 2025
Relevant Coursework: Problem Solving and Object Oriented Programming, Python Programming, Discrete Math, Statistics for Data Science (R), Probability, Linear Algebra, Statistical Theory, Data Structures and Algorithms, Data Mining and Machine Learning, Information Systems.

SKILLS

Technical Skills Java, Python (Numpy, Pandas, Matplotlib), R, C#, Jupyter Notebook, Github, Figma, Linux, HTML, LaTeX, Data Engineering, SQL, React.js, Typescript, CSS
Soft Skills Problem Solving, Communication, Critical Thinking, Teamwork

PROJECTS

BackTrack. Developed a machine learning application using TensorFlow.js to monitor posture and identify potential risks over time.

Brightspace. Built a learning platform in Java with user-friendly GUIs, featuring both student and teacher interfaces. Implemented multi-threading and a client-server architecture.

Gender Inequality Index Conducted statistical analysis in R on the Gender Inequality Index dataset, addressing research questions from a cross-cultural perspective. Efficiently imported, manipulated, and analyzed a large data set in order to produce concise results.

Monte Carlo Simulations. Utilized Python libraries such as Numpy and Matplotlib to simulate and analyze COVID-19 spread and the impact of measures like vaccination and social distancing.

WORK EXPERIENCE

Goldman Sachs Jun 2024 - Aug 2024
Software Engineering Intern, Global Banking & Markets Division

- Developed and productionized an analytics library for a centralized risk product, tracking usage for 3,500+ users and providing actionable insights.
- Delivered key analytics using React.js, Kibana, and Elasticsearch, and created impactful visualizations with SQL to increase product usage.
- Designed and integrated new features into an analytics dashboard in collaboration with cross-functional teams, significantly improving operational efficiency.
- Automated processes by creating dynamic forms, streamlining operations and reducing manual effort.

RELEVANT EXPERIENCE/EXTRA-CURRICULARS

Women In Science Program Aug 2021 - Present
Member *Purdue University*

- Expanded technical skills through continuing educational courses and outside seminars, and participated in a residential program that allowed me to live and network with other CS majors at Purdue, as well as professionals in industry

Aurum Magazine Aug 2022 - Present
Design and Development, Events Coordinator *Purdue University*

- Designed pages of Purdue's arts and culture magazine, as well as other graphics for social media using Canva and Adobe InDesign
- Helped build and maintain Aurum's growing website

Purdue Medical Innovation, Networking, and Design Aug 2022 - Present
Member *Purdue University*

- Collaborated with Biomedical Engineering department by applying latest technologies like AI to solve medical challenges.

Stanford Pre-Collegiate Program in Artificial Intelligence Jun 2020 - Aug 2020
Member *Stanford University*

- Analyzed strengths and weaknesses of supervised learning, unsupervised learning, reinforcement learning, and other modern AI algorithms