

Dishan Bhattacharya

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EDUCATION

Purdue University

Bachelor of Science in Computer Science, Minor in Economics

West Lafayette, IN

Aug. 2024 – May 2028

EXPERIENCE

Boilerexams

November 2024 – Present

Data Analyst, Developer

West Lafayette, IN

- Analyze over **6.2 million** user submissions to derive conclusions for **21+** Purdue courses.
- Determine exam question biases to better effectively prepare students for exams using data from **192** exams.
- Determine discrepancies in question accuracy between topics and courses for Purdue's largest studying platform.
- Support development and content curation to maximize user growth and engagement.

Purdue IEEE

Dec. 2024 – Present

Vice President of Technical Committees

West Lafayette, IN

- Present to **50+** people at workshops teaching the intersection of machine learning and finance.
- Collaborate on the development on workshops on engineering topics to foster innovative environments.

Account Director

Nov. 2024 - Dec. 2024

- Organize networking banquet for sponsors and industry representatives.
- Manage \$30,000 in organization funds for 7 technical committees.

Hack Night at Purdue University

Dec. 2024 – Present

Developer

West Lafayette, IN

- Lead group of 15 to develop machine learning projects curated towards personal interests.
- Present key machine learning concepts to introduce data science to new audiences.

Jubilee Club, Bengali Cultural Club

Jan. 2022 – Aug. 2024

Front-end Developer

Philadelphia, PA

- Developed and published a portal to other resources for the local Bengali ethnic community.
- Collaborated with management to renovate website and attract **6,000+ unique visitors**.

SAP (Systems, Applications and Products in Data Processing)

Jul. 2023 – Aug. 2023

Junior Developer Intern

Newtown Square, PA

- Developed a mobile application for industry to effectively upload software issue tickets and obtain resolutions.
- Engaged with professionals during workshops to grow soft skills like written and oral communication.

PROJECTS

Indian Tech Startup Success Prediction | *Python, pandas, scikit-learn*

2024

- Developed Random Forest and XGBoost machine learning models to predict Indian tech startup success.
- Achieved **82 percent** accuracy on startup success prediction.
- Authored paper and presented findings at **Purdue 2024 Fall Undergraduate Research Expo**
- Most important parameters in model: Seed lag, social media presence, and amount raised during seed funding.

FunCha: Website for Ethnic Food | *Astro, React, Tailwind CSS*

2023-2024

- Led group of three to curate and compile Bengali recipes.
- 2,000+ unique page views** within the first six months.
- Addressed lack of Southeast Asian ethnic food resources online.

Wharton High School Data Science Competition | *PyCaret, Seaborn, pandas*

2024

- Developed machine learning models to predict league and tournament results of a simulated soccer league.
- Led team of 5 to compete and **placed 2nd** against **300+ teams** from **37 countries** with the highest accuracy model and presentation through Keynote.

TECHNICAL SKILLS

Languages: Java, C, Python, JavaScript, HTML/CSS

Developer Tools: Jupyter Notebook, Git, Google Cloud Platform

Libraries: scikit-learn, pandas, NumPy, Matplotlib