

Dishan Bhattacharya

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EDUCATION

Purdue University

Bachelor of Science in Computer Science, Minor in Business Economics

West Lafayette, IN

Exp: May 2027

EXPERIENCE

Boilerexams (Studying Platform for Purdue Students)

November 2024 – Present

Data Analyst Lead

West Lafayette, IN

- Lead team of 8 to analyze and understand over **7.5 million** user submissions to derive conclusions for **25** Purdue courses, **1.2k+ daily users**, parsing into **Polars** and **Pandas** dataframes.
- Collaborated with 2 team members to create and standardize difficulty categorizations across several courses, using metrics like **accuracy**, **time spent on questions**, and **usage of video solution tools**.
- Developed scalable models** for understanding exam question biases to better effectively prepare students for exams using data from **188** exams.

Purdue IEEE

Dec. 2024 – Present

Vice President of Technical Committees

West Lafayette, IN

- Spearheaded workshop with **50+** attendees presenting the intersection of machine learning and finance.
- Supported execution of networking banquet with **100+ attendees** for sponsors, industry reps, and professors.
- Led **7** technical committees with **800+** active members and **\$60,000+** in organization funds.

Jubilee Club, Bengali Cultural Club

Jan. 2022 – Aug. 2024

Frontend Developer

Philadelphia, PA

- Developed and published portal to other resources for local Bengali community, with **1.5k monthly pageviews**.
- Collaborated with management to renovate website and attract **6,000+ unique visitors**.
- Received “Youth Leadership” award for contribution to local community.

SAP (Systems, Applications and Products in Data Processing)

Jul. 2023 – Aug. 2023

Junior Developer Intern

Newtown Square, PA

- Developed mobile ticketing software for industry with S/4 HANA and obtain resolutions.
- Engaged with product testing, sales, and technical support and familiarize with product life cycles.

PROJECTS

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

July 2023 – Aug. 2024

- Developed Random Forest, XGBoost, LightGBM machine learning models to predict Indian tech startup success.
- Achieved **82 percent** accuracy on startup success prediction with optimized Random Forest classifier model.
- Visualized startup data to highlight outliers and key findings and find most important factors for 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*

June 2023 – Aug. 2024

- Led group of three to curate and compile Bengali recipes.
- 2,000+ unique page views** within the first six months.
- Created roadmap for effectively developing the web application interface to align with user needs.
- Addressed lack of Southeast Asian ethnic food resources online.

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

Jan. 2024 – May 2024

- Developed machine learning models to predict league and tournament results of a simulated soccer league.
- Collaborated 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, Python, C, HTML/CSS

Developer Tools: Git, Google Cloud Platform, VS Code, DataSpell, PyCharm, IntelliJ

Libraries: scikit-learn, pandas, Polars, NumPy, Matplotlib