

Dishan Bhattacharya

bhatt123@purdue.edu | linkedin.com/in/disbh | github.com/disbh

EDUCATION

Purdue University

Bachelor of Science in Computer Science, Minor in Business Economics

West Lafayette, IN

Exp: May 2027

Relevant Coursework: Microeconomics, Macroeconomics, C Programming, Calculus III, Discrete Structures

Anticipated Coursework: Data Structures & Algorithms, Linear Algebra, International Trade, Computational Economics

EXPERIENCE

Purdue University

Software Developer

Jun. 2025 – Present

West Lafayette, IN

- Implemented RESTful API endpoints in ASP.NET Core to support user authentication and profile management.
- Built interactive UI components in React JS to display data retrieved from backend APIs.

Boilerexams (Studying Platform for Purdue Students)

Data Analytics Lead

Nov. 2024 – Present

West Lafayette, IN

- Led analysis of 8M submissions with Polars and Pandas, driving 20% increase in user engagement by content improvement.
- Conducted user behavior analysis 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 Python workflows for exploratory data analysis (EDA) to understand exam question biases and better effectively prepare students for exams using data from 188 exams across 25 courses.

Purdue IEEE

Vice President of Technical Committees

Dec. 2024 – Jun. 2025

West Lafayette, IN

- Spearheaded workshops with 50+ attendees presenting the intersection of machine learning and finance.
- Collaborated on networking banquet with 100+ attendees for sponsors, industry reps, and professors.
- Led 7 technical committees with 800+ active members and \$40,000+ in organization funds.

Jubilee Club, Bengali Cultural Club

Frontend Developer

Jan. 2022 – Aug. 2024

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)

Junior Developer Intern

Jul. 2023 – Aug. 2023

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

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

Jul. 2023 – Aug. 2024

- Engineered 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.
- Employed feature extraction and visualization on startup data to highlight outliers and key findings: Seed lag, social media presence, and amount raised during seed funding as most important features.
- Authored paper accepted to JEI and presented findings at **Purdue 2024 Fall Undergraduate Research Expo**.

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

Jun. 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 with team of 5, competing and **placing 2nd** against **300+ teams** from **37 countries** with the highest accuracy model in the world.

TECHNICAL SKILLS

Languages: Java, Python, C, C#, JavaScript

Developer Tools & Skills: RESTful API Design, Jupyter Notebooks, Microsoft Azure, Git, Google Cloud Platform, MS Excel

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