

Pradyun Bachu

pradyunbachu.github.io/Portfolio-Website | pbachu@wisc.edu | (732)-690-8856 | linkedin.com/in/pradyun-bachu

EDUCATION

University of Wisconsin-Madison | Madison, WI

May 2028

Bachelor of Science: Computer Science, Economics with Mathematics Emphasis

- **Activities:** Wisconsin Autonomous, Federal Reserve Challenge Club, Indian American Student Association
- **Relevant Coursework:** Programming II/III, Micro/Macroeconomics, Linear Algebra, Calculus III

Peddie School | Hightstown, NJ

May 2024

High School Diploma

- **Activities/Honors:** Peddie Robotics, Peddie CS Club, Peddie Young Entrepreneurs Club, PeddieHacks, Peddie Environmental & Sustainability, Peddie Orchestra, AP Scholar
- **Relevant Coursework:** AP Calculus AB/BC, AP Computer Science A, AP Physics 1/C, Engineering & Design

EXPERIENCE & LEADERSHIP

United Nations | New York, NY

May 2025 – Present

Data Analyst Intern | UN DESA: Development Research Branch

- Conducted research under Rashmi Banga and Lana Basneen Zaman, focused on issues of climate finance in middle-income countries and socio-economic implications of artificial intelligence
- Analyzed UN General Assembly Report [A/78/224] and UN climate finance data for the development of MICs
- Worked on providing AI models to predict a country's NDC completion rate based on 10+ metrics
- Cleaned and manipulated data using SQL, Pandas, NumPy, and Excel

PeddieHacks | Hightstown, NJ

September 2020 – August 2024

Event Day Judge, Logistics Team Leader, Finance and Marketing Team

- Co-led a team of 35+ Peddie students for PeddieHacks, a 48-hour online hackathon hosted by the Peddie School
- In charge of connecting with 12+ judges, 3+ workshop speakers, and 15+ sponsors annually
- 2024: Participated in the panel of judges for the event. Pre-screened and live-judged 30+ projects
- 2023: \$183,678 in prizes, 279 participants, 2022: \$132,383 in prizes, 204 participants, 2021: \$50,000 in prizes, 342 participants

FRC 5895, Peddie Robotics | Hightstown, NJ

September 2021 – May 2024

Senior Engineer and Scout

- Used CAD and CAM software (Autodesk Inventor, Onshape, vCarve Pro) to design and machine an FRC robot
- Mentored underclassmen in both engineering/design as well as scouting match data
- FIRST World Championship Milstein Division Winner (2023), FIRST World Championship Hopper Division Finalist (2024), FIRST World Championship Roebling Division Quality Award (2022), 3x FIRST Mid-Atlantic Championship Winner, 6x FIRST Mid-Atlantic District Event Winner

Peddie Environmental and Marine Club | Hightstown, NJ

September 2021 – May 2024

Co-leader and Co-founder

- Led a team of 50+ members to educate the entire school population about the environment and sustainability
- Presented at PEST events and hosted environmental competitions for the school; sent out weekly newsletters
- Led a team of 20+ members to collect water and run tests monthly to send out to the NJ Watershed Institute
- Collected samples from Peddie Lake, ran tests for Turbidity, Salinity, Phosphates, Nitrates, Dissolved Oxygens, and Temperature, and then submitted results

SKILLS & INTERESTS

Technical: Java, Python, React, CSS/HTML/JS, Google Suite, Microsoft Office, Autodesk Inventor, vCarve Pro, Onshape

Other/Languages: Logistics Management, Finance, Marketing, Outreach, Leadership, English (Fluent), Spanish (Intermediate), Telugu (Advanced)

