

Debo Jyoti Paul

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EDUCATION

University of Wisconsin-Madison | Madison, Wisconsin

June 2025

Bachelor of Science in Computer Science and Data Science

GPA: 3.6/4.0

Relevant Coursework: Programming II & III, Discrete Mathematics, Linear Algebra, Business & Engineering Statistics, Database Systems, Data Structures & Algorithms, Systems Architecture, Artificial Intelligence.

SKILLS AND LANGUAGES

Software Development: Python, R, Java, PHP, JavaScript, Flask

Data Science & Analysis: SQL (SQLite3), JDBC, Pandas, Numpy, Scikit-learn, Power BI, Matplotlib,

Web-App Development: HTML/CSS, JavaScript (React, Next.js), PHP, Flask | **Version Control:** GitLab

Creative Design: VFX (Premiere Pro, Final Cut, Blender, CAD), Visuals (Adobe, Canva, Figma)

Cloud & APIs: Microsoft Azure, Google Cloud, AWS, *API's* | **Operating Systems:** MacOS, Linux, Windows

RELEVANT WORK EXPERIENCE

Data Analysis & Intelligent Systems Group | Research (Remote)

Bothell, WA | 9/2023 - Present

- Design a web app for mental health assistance, with users (clients & profs.) at the forefront, by collaborating with a group of 20.
- Diagnose and implement methods to distinguish & respond to personality traits by dynamically comparing with stored data.

American Red Cross | Corporate Product Intern

Seattle, WA | 9/2023 - 01/2024

- Recreated the fundraising database for Sr. and Reg. Managers throughout the US, optimized data flow and redid data pipeline.
- Developed 12 internal products with 8+ Sr. Program Managers, coordinating with outside vendors (notably Social Capital Partnerships & NFL) and managing various resources – Fundraising Portal, U'Haul, Donors, Amendments, etc.

Sanitas International | Operations Lead

Dhaka, DHK | 8/2020 - 11/2022

- Spearheaded a pioneering relief program, delivering vital aid to 300+ vulnerable families during pandemic-induced lockdowns.
- Orchestrated wellness workshops, disseminated hygiene kits and month-long food supplies in Bangladesh and India, extending assistance to a remarkable 2 million+ individuals, while raising over 30,000 subscriptions on our hygiene awareness platform.

RELEVANT PROJECT EXPERIENCE

Language Identifier *Utilizes: Python*

Madison, WI | 1/2024

- Developed a Python utility for distinguishing English and Spanish texts, leveraging probabilistic models and character frequency analysis.
- Designed to support linguistic studies and streamline text processing; useful for automated linguistic analysis.

Hungry Huskies | DubHacks *Utilizes: Python, Flask, Javascript, Twilio, SQL, Google Cloud*

Seattle, WA | 9/2023

- Deployed a real-time web application to notify students of live-surplus food locations in Seattle.
- Formulated a solution to tackle the vast food waste problem while helping college students in the greater Seattle area.

Financial Literacy Companion | HackMIT *Utilizes: Python, LLM, API's, Pandas, Scikit-learn, JavaScript*

Cambridge, MA | 9/2023

- Developed a financial literacy app; analyzes economic discussions, identifies trends and fetches articles on these trending topics.
- Visualizes market sentiments, providing a consolidated view of the economy.

Scheduling Software | *Utilizes: Java, SQL, Azure, Encrypt Security*

Seattle, WA | 5/2023

- Designed and implemented a secure app for scheduling immunizations, fostering seamless communication between patients & caregivers.
- Developed to empower users to effortlessly coordinate and manage vaccine appointments and inventory, simplifying healthcare logistics.

RELEVANT LEADERSHIP & OTHER AFFILIATIONS

Eglal's ABC Charity School

Baridhara, DHK | 9/2016 - 3/2021

- Oversaw a community of over 500 students, staff, and faculty from PreK to 8th grade.
- Analyzed finance streams and coordinated 12+ community service projects, aided with fundraising, and organized the first daily meals programs, supplies, remote learning equipment, and school relocation during Covid lockdown.
- Counseled 18 seniors on strategy advice and open-market research, utilizing gamification to garner interest and commitment.

ADDITIONAL/INTERESTS

Languages: French, Spanish, Hindi, Urdu, English, and Bangla.

Personal Interests: Soccer, Tennis, Urban Exploration, Sailing, Music, and Violin, Guitar & Piano/Keyboard