Ashmit Deb

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EDUCATION

UNIVERSITY OF MICHIGAN **Ann Arbor, MI**
Bachelor of Science in Computer Science Aug. 2023 - May 2026
Minor in Entrepreneurship

- **Cumulative GPA:** 3.4/4.0
- **Extracurriculars:** Michigan Financial and Math Society, MHackers, Michigan Student Artificial Intelligence Laboratory

EXPERIENCE

BLUE CROSS BLUE SHIELD OF MICHIGAN **Southfield, MI**
IT Intern - Data Integration May 2024 - Aug. 2024

- Conducted source-to-target mapping to retrieve data transformation and migration across systems while utilizing SQL and ETL processes to maintain data consistency and optimize integration workflows
- Used Power Automate along with Sharepoint for IT intake forms while also storing and formatting confidential patient inquiries for data integrity
- Managed software testing using TriZetto Facets to file claim inquiries to Cognizant focusing on the non-production environments E2E and SIT

SPEARS TO SUCCESS **New York, NY**
Software Development Intern June 2023 - Aug. 2023

- Improved user return rate and increased website activity by over 200% through HTML5 and CSS3
- Developed a sitemap and wireframe to help create a target outline to structurally define the website

UNIVERSITY OF MICHIGAN - EECS DEPARTMENT **Ann Arbor, MI**
Summer Research Intern June 2022 - Sep. 2022

- Worked in Professor Mortazawi's postgraduate research group and conducted research on wireless power transmission and AM frequency
- Operated different analog circuit simulators including LTspice while working hands on with RLC circuits and converting 1 MHz radio waves into an AC voltage source

PROJECTS

Arduino Night-Lamp

- Developed and designed an efficient Arduino-based LED Matrix Night-Lamp utilizing a C++ variant programming language tailoring light sensor data and button inputs to produce an interactive display
- The hardware and software used adjusts the display using natural light as well as also offering a manual button to change the user's brightness preference and LED aesthetic design choice.

LED Matrix Scoreboard Panel

- Designed an Arduino-based LED Matrix interactive Scoreboard display that uses RGB light panels to represent different number values for sporting events
- Implemented button inputs to increment the number values from 1 to 64

SKILLS

- **Technical Languages**: C++, C, Java, Python, SQL, JavaScript, HTML, CSS
- **Software:** Power BI, Power Automate, Excel, Jira, TriZetto Facets, Citrix**,** LTspice
- **Programming Platforms:** XCode, Visual Studio Code, MySQL Workbench, Arduino IDE 2.0, Glitch