Nileena John

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EDUCATION

Northeastern University, Boston, MA | Khoury College of Computer Sciences **September 2022 — Present**
Candidate for a Bachelor of Science in Computer Science **Anticipated Graduation: June 2025**
GPA & Honors: 4.0/4.0 (CS), 3.96/4.0 (Overall), Dean's List, Dean's Merit Scholarship
Relevant Coursework: Object-Oriented Design, Algorithms and Data, Fundamentals of Computer Science I & II, Theory of Computation, Discrete Structures, Mathematics of Data Models, Foundations of Cybersecurity, Foundations of Data Science, Fundamentals of Digital Design and Computer Organization, Principles of Information Science
Extracurriculars: Northeastern Women in Technology, Husky Competitive Programming, Hack the Patriarchy Hackathon

PROFESSIONAL EXPERIENCE

Verizon, *5G Engineering Co-op | Boston, MA* **January 2024 — June 2024**
- Spearheaded a full-stack application that tracks In-Building & Venue (IBV) end of life sites and presented this tool in a meeting with Verizon's Vice President, Associate Vice President, and Sr Director of Network Engineering.
- Programmed a C-Band Power Sharing Calculator web interface that shows how different bandwidths affect power sharing and presented this tool on Verizon IBV National Tech Forum with 60 participants.
- Visualized Verizon's network performance indicators for 25 priority locations in Las Vegas during Superbowl LVIII. Shared my findings with my team that these locations experienced minimum network strain based on data trends.
- Enhanced features on VPT, a tool that shows IBV network performance indicators. Created a data summary section, modified SQL queries to account for Verizon's redefined regional boundaries, and added search filtering by vendor.
- Engaged in office events including participating as a panelist for a Northeastern x Verizon event, discussing my ideas on AI in an interview, and sharing my experience as a younger woman and minority at a Verizon-hosted event.

TechGirlz Charitable Foundation, *Volunteer | Remote* **September 2020 — May 2022**
- Led 2+ workshops per week to teach middle-school girls how to code in Java, Javascript, and Python.
- Organized curriculum structure with given course materials and assisted attendees with debugging.

Guiding Technologies Corporation, *National Science Foundation Intern | Philadelphia, PA* **July 2021 — August 2021**
- Contributed to front-end design of a website that remotely administers ABA therapy for autism using HTML & CSS.
- Performed tests on company website and mobile app to analyze user experience; made improvements accordingly.

SELECT PROJECTS

Verizon In-Building Venue End of Life Website **April 2024 - June 2024**
- Collaborated with Verizon's Artificial Intelligence & Data team to consolidate data from Verizon's vendors, Google Earth, and Verizon sources into live databases stored in Google Cloud Platform and an internal Verizon database.
- Launched phase 1 of a full stack PHP, HTML, CSS, and Javascript application that identified ~2,800 Verizon In-Building & Venue (IBV) End of Life (EOL) sites and their associated vendors, radio models, End of Service (EOS) dates and End of Life (EOL) dates using database table mappings.
- Designed an easily accessible view of EOL site details to help local engineers & leaders determine whether sites should be decommissioned through consideration of factors like location and revenue.
- Implemented features like a search bar for user filtering, a map visualization of each site using OpenStreetMap's API, and an embedded Tableau dashboard that displays the EOL IBV sites on a map of Verizon's submarkets.

Bullet Journal Application **May 2023 - June 2023**
- Developed a Java GUI application using JavaFX of a virtual password-protected Bullet Journal that records a user's notes, events, tasks, task completion, and task progress for each day of the week. Stored data as JSON objects.
- Created a feature that allows users to restore their week's journal data by exporting and importing from a .bujo file.

TECHNICAL SKILLS

Programming Languages: Java, PHP, Javascript, HTML, CSS, Python, R, SQL, C, Racket
Tools: Github, Visual Studio, IntelliJ, Pycharm, Eclipse, DBeaver, RStudio, HeidiSQL, Tableau, WinSCP, Jupyter Notebook