**Anan Afrida**

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GitHub: <https://github.com//ananafrida> **|** Website: <https://personal-website-liard-iota-53.vercel.app/>

**EDUCATION**

**Wesleyan University, Middletown, CT – Deans Honors List (GPA 3.6 / 4.0) Expected graduation: May 2026**

**Bachelor of Arts in Computer Science and Mathematics / Minor in Data Analysis**

**Scholarships:** NSF Summer 2023 Research Grant, Wesleyan University 100% need-based financial aid, KL-YES Scholar

**Relevant Coursework:** Software Engineering, Algorithms and Complexity, Linear Algebra, Work with R/SAS

**WORK EXPERIENCE**

**Wesleyan University,** CT, USA **Research Assistant** January 2023 – Present

* Research on predicting delay features of mobile network using neural network supervised by Prof Victoria Manfredi
* Use BonnMotion to generate traces of mobile network and TensorFlow to build RNN models managed through GitLab
* Analyzed training data through Shell Scripting and Bash programming into Python files to feed towards the models

**Wesleyan University Communications,** CT, USA **Web Technical Assistant** September 2022 – December 2023

* Developed interactive campus map for university to help people navigate and update locations
* Use University CMS system, trained on Hannon Hill Cascade, to assist users in website updates and issues
* Use WebAIM Wave tool to check site accessibility and set up new sites through communicating between departments

**Cholpori (HerStory Foundation),** Dhaka, Bangladesh **Software Engineer Intern** September 2021 - July 2022

* Wrote Javascript, HTML code using Angular framework to build app features for animating 4th-5th graders’ education
* Conducted R&D and contributed to version control, followed agile workflow through GitHub
* Managed “scrums” and implemented software best practices in GitLab for frontend through Figma and Asana

**LEADERSHIP**

**Google Developer Student Club (GDSC)**    **Leader** August 2023 – Present

* Initiated the first GDSC in Connecticut region and led Google Cloud workshops collaborating with Google Developers
* Orchestrated 7 dynamic events, fostering meaningful interaction among 150 students and 9 tech industry professionals
* Secured funding for members’ registration and travel to Yale Northeast Robotics Colloquium and Shasha AI Seminar

**Wesleyan University** **Teaching Assistant** September 2023 – December 2023

* Conducted tri-weekly 2-hour sessions to assist students for COMP212: Function Programming course in Standard ML

**US Embassy (Project SheCodes)** **Coordinator** August 2020 - January 2021

* Grant recipient of US Embassy $2500 funding for project for raising the number of girls in computer programming
* Led programming events focused on code training, and women in tech motivational speaker series engaging 120 girls
* Spearheaded coding skills development C/C++ workshops and engaging coding contests in 15 Bangladeshi rural areas

**TECHNICAL SKILLS**

**Language:** TensorFlow, Angular, React Native, JavaScript, R, SAS, Python, C++/C, Standard ML, TypeScript, Processing

**General Skill:** Codeforces (max. specialist), GitHub, GitLab, Linux, Firebase, BonnMotion, Bash, Shell Script, Figma

**PROJECTS**

**Wesleyan Campus Map** <https://github.com/ananafrida/wesleyan-campus-map>

* Built Wesleyan’s interactive campus map using Google Maps API and JavaScript with updated building location

**Music Rater**  <https://github.com/ananafrida/comp-333-4-frontend>

* Built React Native mobile app that allows users to manage a list of songs through create, read, update, and delete songs with a 50% contribution overall
* Integrated PHP and MySQL to store user login and song data connected through REST API endpoints with frontend

**OurCampus App**

* Scraped menus of 5 dining halls using Slack Bot and Firebase function for a student-run app with1000+ subscribers
* Implemented the upcoming event feature through web scrapping using TypeScript as a lead backend team developer

**ACTIVITIES AND AWARDS**

* Bank of America Global Technology Early Insights Forum Selected Participant December 2023
* Inter Collegiate School Programming Contest (ICPC) Best Rookie Team October 2023
* First-Generation Low-Income Board Member August 2022 - Present
* Muslim Student Association Member August 2022 - Present

* Bangladesh Olympiad in Informatics Awardee 2015 - 2019