Kabilan Balasubramani

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EDUCATION

University of Pittsburgh   Pittsburgh, PA

Honors, BS Computer Science   **EXPECTED GRADUATION: MAY 2024**

SKILLS

- Relevant Coursework: Data Structures, Algorithms
- Technical Skills: Python (4yrs), Java (3yrs), C++ (2yrs), HTML/CSS (1yr)

EXPERIENCE

Google CSSI Coursera   Pittsburgh, PA

Student   **JUNE 2020 - PRESENT**
- Integrated Google Cloud Credits into server-sided web application to host project utilizing positional audio alongside Google STEP interns and teammates
- Earned certificate for studying fundamental algorithmic and data structures topics in Python enhanced with interactive projects and problems

University of Pittsburgh Cancer Institute   Pittsburgh, PA

Researcher   **JUNE 2019 - AUGUST 2019**
- Developed a lightweight, portable electrocardiogram device to process real-time patient data using machine learning to classify cardiovascular abnormalities with 93% confidence

CompuDANCE   Wexford, PA

Co-Founder   **JANUARY 2018 - MARCH 2018**
- Curated and taught an interactive C++ curriculum covering variables, conditionals, and loops and real-world applications to over 40 students per session
- Broke the gender stigma of women in STEM fields and men in dance by bringing together Indian Folk Dance and C++workshops with a team of 3 members

PROJECTS

Pathfinding Visualizer – *Personal*   **AUGUST 2020**
- Designed interactive UI to visualize A* search algorithm as an educational tool to allow users to visually inspect the runtime behavior of the algorithm **(Python)**

Lunchroom – *Personal*   **AUGUST 2020 - PRESENT**
- Open source project aimed towards recreating the immersive experiences that in-person conversations provide
- Using positional audio, one can virtually relive those cafeteria conversations as if they were talking to you in person hosted on private, online chat rooms

AWARDS & ACTIVITIES

Pitt Computer Science Club   **PRESENT**
- University of Pittsburgh's largest CS-related student organization Proudly pushing the boundaries on what it means to be a Pitt student

OVBI Recognition   **FEBRUARY 2019**
- Overseas Volunteer for a Better India, raised $25,000 for children in the Redlight District in Kolkata

Guiding Star Dance Scholar   **MARCH 2019**
- Earned for teaching, performing, and organizing Indian Folk Dance across greater Pittsburgh with over concurrent 600 members