ABHIROOP REDDY NAGIREDDYGARI

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EDUCATION & CERTIFICATIONS

Bowdoin College, Brunswick, ME   **Expected May 2025**
Bachelor of Arts in Computer Science & Economics
Relevant Coursework: Data Structures, Algorithms, Software Engineering, Systems, AI, Distributed Systems

RELEVANT EXPERIENCE

Costco, Issaquah, WA   **June 2023 - September 2023**
Information Technology Intern
- Built an Automated Testing System for over 100 **PowerBI Reports** for **Unit Testing, Integration Testing,** and **System Testing** using Costco's data warehouses' information using **Python, Selenium, Azure KeyVault, PyTestHTML,** and **Synapse SQL**
- Added Automatic Run capabilities for running all 100+ tests and singular test groups by making multiple **YML** files to leverage **Azure Pipelines**
- Saved over 1 hour during runs by incorporating a **Distributed System** through SauceLabs Selenium Drivers
- Tracked and managed sprint planning with 8 other people through **Azure Dev Ops**

Bowdoin College, Brunswick, ME   **September 2023 - Current**
CS-1101 Learning Assistant
- Tutored over 100 students in concepts such as **Object Orientated Programming (OOP), Recursion,** and various **Data Structures**
- Currently helping 4 students raise their grades to a B+ or higher
- Collaborated with 9 other Learning Assistants to provide quantitative feedback for Professors to improve CS 1101

Foxtail LLC, Woodinville, WA   **June 2022 - August 2022**
Software Engineer Intern
- Established a **Mongo DB** database and a Dummy Generator to create and manage over 500 fake users and listings for application testing using **TypeScript** and **Asynchronous API(await/async)**
- Constructed a **Full-Stack** data visualizer via **Expo, HTML/CSS,** and **JavaScript** that processes over 2 Thousand listings and displays line charts for listings uploaded, listings sold, and average listing price
- Developed multiple automation scripts using **Puppeteer** to mimic user behaviors such as buying an item, updating a listing, or bookmarking an item on sites such as Etsy, Facebook Marketplace, and Mercari

PROJECTS

BetterPokédex - Creator
Java/JavaScript/HTML & CSS
- Based on the Pokédex from the Pokémon franchise; a **Full Stack Spring Boot** web app to let users build competitive Pokemon Teams
- Added data aggregation capabilities by using **Jackson API** to take both game data and competitive statistics by analyzing 4 different websites
- Constructed a **MySQL** database with 4 different tables for Pokémon, items, moves, and sprites, each managing over 1000 entries
- Created a **React.JS** webpage that queries the MySQL server for over 1000 entries and lets users customize their team, alter game-specific values, and view potential counters.

LEADERSHIP EXPERIENCE

Bowdoin Varsity Squash Team, Bowdoin College   **September 2021-Present**
Captain, Member
- Organized practice for 15 athletes for 10 hours per week to develop and maintain a top 20 D1 Squash Team

Polar Investment Club, Bowdoin College   **September 2021-Present**
Senior Analyst, Analyst
- Wrote a bi-weekly column for the *Polar Recap* journal in the **Crypto**, **Tech**, and **Healthcare** sectors to update the campus and latest developments and market shifts

SKILLS & INTERESTS

Frontend Development: HTML(Basic), JavaScript(Proficient), TypeScript (Proficient), Angular.JS (Basic), React.JS (Proficient)

Backend Development: Python (Proficient), Java (Proficient), C(Basic), Express.JS (Basic), Node.JS (Proficient)

Deployment Tools: Git(Proficient), Azure Dev Ops(Proficient)

Proficient Data Structures and Algorithms: Dictionaries, Binary Trees, Queues, Merge Sort, DFS, BFS, Uniform Cost Search

Affiliations: Tapia 2023

Clubs & Activities: Bowdoin Men's Varsity Squash, Polar Investment Club, South Asian Students Association, Athletes of Color Coalition, Bowdoin ResLife, Bowdoin Student-Athlete Advisory Committee