**BALAJI RAMA**

balajirw10@gmail.com | (703) 402-9151 | [linkedin.com/in/balaji-r-hun](http://linkedin.com/in/balaji-r-hun) | [github.com/BRama10](http://github.com/BRama10)

Hardworking High School Junior seeking employment. Bringing forth a motivated attitude and a variety of skills, such as being a quick learner & meeting work deadlines with high productivity and efficiency. Adept in various programming languages (including Java, Python, and C++), Machine Learning, and office technology programs. Also skilled at problem solving, especially in programming, math, and science.

**SKILLS**

* Scripting Languages: Python, JavaScript
* Java & C++ Programming
* Application Programming Interface (API)
* Version Control Systems : Git & Github
* Machine Learning using Octave & Python

**EXPERIENCE**

**Lead Scholar / Teaching Assistant**, *Berkeley Coding Academy*,Jul 2022 - Aug 2022, *Remote, Volunteer*

* Helped teach students data science using python libraries such as pandas and scikit-learn.
* Helped students understand ML concepts such as the various types of supervised learning as well as an introduction to neural networks.

**Backend Developer,** *VolunteerMatch*,Nov 2021 - Present, *Remote, Volunteer*

* Helped create and modify tables using the backend MySQL database.
* Built REST APIs for mobile applications using Spring Boot & JPA.

**Coding Instructor (L0 & L1),** *Coding with Kids*,Sept. 2022 - Present, *Herndon & Fairfax, VA*

* Taught Elementary - High School kids coding in Python and Java.

**Curriculum Developer,** *Coding with Kids*,Feb. 2022 - Present, *Herndon & Fairfax, VA*

* Developing curriculum for a Cybersecurity & Ethical Hacking course. Topics covered include password cracking, linux terminal skills, & penetration testing.

**PROJECTS**

* **Data Collection & Analysis Tool** (2022)
  + Developed a dynamic website designed to streamline & improve data collection & analysis of Workday results for a volunteer effort.
  + Tracks volunteer availability.
  + Generates and stores all necessary forms.
  + Collects all form data and graphically generates a Google Sheets.
  + Built on the Flask web framework with a MySQL DB and deployed on Google App Engine.
* **Discord Task Scheduler** (2022)
  + Created a Discord bot that allows for users to create a “task list”
  + Items/tasks can be added and removed once they’re completed.
  + Organized according to day & week.
  + Alerts can be set through live time-tracking.
  + Uses the discord.py client library along with Quart (asynchronous web framework), deployed on Google Cloud Run.
* **Speech Translator Android App** (2023)
  + Developed a multi-page translation app that allows Speech to Speech translation in a variety of languages.
  + Uses the SpeechRecognition library to recognize user’s speech, ML kit Translate for translation, & TextToSpeech in order to “speak” the words in the desired language.
* **Text Reader ML Android App** (2023)
  + App that connects to the phone's camera to scan & interpret text, whether written or typed.
  + Uses the Google ML kit Firebase library to identify accurate readings.

**COURSES**

**AP Computer Science A**, College Board, Jan 2021 – Jun 2021

* Passed AP Exam (Score 5)

**AP Computer Science Principles**, College Board, Sep 2020 – May 2021

* Passed AP Exam (Score 5)

**AP Human Geography**, College Board, Jan 2020 – May 2021

* Passed AP Exam (Score 5)

**CLEP Chemistry**, College Board, Sep 2021 – Jul 2022

* Scored 78/80 on CLEP Exam

**CLEP Biology**, College Board, Sep 2020 – Aug 2021

* Scored 66/80 on CLEP Exam

**CLEP College Composition**, College Board, Sep 2021 – Mar 2022

* Scored 78/80 on CLEP Exam

**DSST Principles of Public Speaking**, Prometric, Sep 2021 – May 2022

* Passed DSST Exam : Scored 478/500 on Part 1 & Scored PASS on Part 2

**ACCOMPLISHMENTS**

**AMC10**

* Scored Honor Roll, placed within the top 2.5% percentile of all contestants nationwide.
* Qualified for AIME (American Invitational Mathematics Exam)

**AP**

* AP Scholar (Scored 5 on 3 AP exams in the same year)

**ORGANIZATIONS**

**- National Home School Science Honor Society** (since 2022)

**- National Society of High School Scholars** (since 2022)