

# AbdulBaseer Mahmood

baseer2.com | linkedin.com/in/abdulbase1 | (859) 979-3676 | baseer1000@outlook.com | github.com/abulBaseer

## EDUCATION

### Berea College

Computer Science & Mathematics/Bachelor of Arts

Berea, Ky

Aug-2019- May 2023

- **Major GPA:** 3.6, Maaz High School GPA: 4.0
- **Relevant Coursework:** Data Structures and Algorithms, Software Design and Implementation, Facebook University Android Development, Linear Algebra, Calculus I, UX design, Kinematics, Discrete Math, Networking, Cybersecurity
- **Skills:** Java, JavaScript, Python, C++, Node.js, HTML, CSS, MongoDB, EJS, NoSQL, Linux/Unix, Android, Firebase database

## WORK EXPERIENCE

### Information Systems & Services

Web Developer & Technician

Berea, KY

Jan 2020 – Present

- Develop and deploy Web Applications for College's needs, utilizing Python, JavaScript, MongoDB, HTML/CSS, SQL & Junit testing; automate time-consuming spreadsheets that saves 80+ hours of managers per week
- Save the administrative office 200+ hours of manual work per term and \$150,000/year replacing the third-party applications
- Support 1600+ students' and faculty members' technology and solve hardware and software issues on their computers and phones, which has resulted in 60% customer satisfaction

### Emerson Collective

Automation Engineer

Palo Alto, CA

Jun 2021 – Aug 2021

- Automated the inventory record of the applications' database using Shell scripting and Python which resulted in reducing 40+/week hours of manual data entry.
- Devised a solution to integrate Microsoft Intune with JAMFPRO to make the organization's data secure.
- Contributed to variety of automation and Data Science-related projects

### Codepath.org

Student Fellow

Remote

Jan 2021 – Mar 2021

- Led, coordinated, and organized 10+ android applications and developed business-model full-stack android applications.
- Attended 6-week cybersecurity course, participated in security contests, and solved 50+ "capture the flags" challenges on platforms such as "Security Shephard", and "Facebook's CTF"; Fixed different security vulnerabilities on different sites

### Wonsulting

Android Developer

Remote

Jul 2020 – Sep 2020

- Led a team of 5 people to research the impact of Covid-19 on Gen-Z and Millennials; Surveyed 500 people
- Used backend such as Firebase and Parse for secure cloud storage, which resulted in an 80% increase in app efficiency and speed
- Developed an android application having a restful API database; followed the agile paradigm and used third-party SDKS, Google maps API; The app's expected revenue is \$1 billion by 2022

## TECHNICAL PROJECTS / OPEN SOURCE

- **Homework Reminder:** Developed and deployed a full-stack scalable web application under 48 hours of coding challenge that reminds students about their homework timeline. Utilized Bcrypt for secure authentication and used **Node.js, HTML, CSS, Bootstrap, EJS, OAuth** <https://pacific-springs-39446.herokuapp.com/>
- **Meetup:** Implemented a full-Stack Android dating app within the timeline that matches single men and women and allows them to chat. Can Host 100, 000+ users with secure cloud storage and used **Java, Android SDK, Firebase Database** <https://shorturl.at/noBW7>
- **Covid-19 Notification:** Developed a desktop notification system within 48 hours notifying users about the latest cases of Covid-19 around the globe using **Python, BBC API, Beautiful Soup, JSON-Parsing** <https://shorturl.at/ltJ15>
- **RunStone Academy:** Coauthored the online books such as "Data structures and Algorithms with C++", and "C++ for Python programmers" that are helping millions of students to learn complex algorithms in a simplified way and fixed bugs <https://runestone.academy/runestone/books/published/fopp/index.html>

## LEADERSHIP

**Google Developers***Student Developer***Berea, KY***Aug 2019 – Aug 2020*

- Led a team of diverse ten+ people to develop mobile applications and websites for the community members
- Taught 50+ students and helped them learn technologies such as Firebase, machine-learning, and mobile-development

**Ankara University***Campus Ambassador***Ankara, TY***Jan 2019 – Jun 2019*

- Supported 1000+ students' education by accompanying non-Turkish speaking individuals to classes, study sessions, and assemblies to translate instructions and conversations, which resulted in saving 100+ hours of professors and students
- Listened to non-Turkish video dialogues and developed translations into target languages which contributed about \$ 50,000+ to university's revenue; Used technologies such as Microsoft PowerPoint, Word, and Excel