

Ashmin Bhandari

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EDUCATION

Ramapo College of New Jersey, Mahwah, NJ, June 2020

School of Theoretical and Applied Science

Bachelor of Science in Computer Science

Honors and Awards: Dean's List, Presidential Scholar

Relevant Courses: Big Data Programming, Machine Learning, UNIX Environment, Object-Oriented Programming, .NET Environment, Web Application Development, Database Design, Analysis of Algorithms, Assembly Language Programming, Software Design, OS

SKILLS

Languages: C, C++, C#, Java, Javascript, Python, SQL, HTML, CSS, UNIX shell scripting (BASH)

Frameworks, Libraries, and Environments: Firebase, React, Angular, Bootstrap, jQuery, Node.js, Express.js, AJAX, .NET Framework

Databases: SQLite, MongoDB

Creative Libraries: pygame, some experience with p5.js, magenta.js, and Web Audio API

Machine Learning and Big Data: some experience with NumPy, Pandas, Scikit-learn, TensorFlow, Keras, Hadoop, and Apache Spark

WORK EXPERIENCE

Software Engineer

Takeo Tech LLC, Corona, NY, Aug 2019–Dec 2019

- Built company's employee portal from scratch with agile team of five
- Spearheaded application front-end from ideation to execution using **Angular, HTML, CSS, and Bootstrap** and provided extended help on **Java Spring Boot** back-end

Information Technology Assistant

Ramapo College of New Jersey, Mahwah, NJ, Aug 2017–Nov 2019

- Successfully streamlined hectic campus-wide OS installation process by writing customized **bash** scripts

Web Designer/Developer

Campgaw Bees LLC, Franklin Lakes, NJ, Feb 2019–Aug 2019

- Increased product sales by 100% by effectively putting company on web: single-handedly designed, developed and deployed company website working in close correspondence with CEO
- Landed five similar projects through stellar word of mouth recommendations from CEO in span of year

TECHNICAL PROJECTS

openCircle HackHers 2020/Present

- Created a toggleable music discovery app that shows you what other toggled users are listening to right now/recently listened to within a chosen area radius using **React, node.js (Express), Firebase**
- Integrated **Spotify's Web API** using **OAuth 2.0** to gather crucial user data and added in-app communication
- Post hackathon, adding more features and moving the app to **React Native** for cross-platform deployment

Knapsack Present

- Passion/capstone project. A digital audio workstation for web which gives musicians ability to collaborate with artificial intelligence to make music
- Currently, visualizing user audio on **React** by integrating **Web Audio API** with **peaks.js**

Five Crowns Fall 2019

- Implemented two-player card game with GUI in three different programming languages, namely **C++, Python (pygame)** extended to support more than 2 players, and **Java (Android)**
- Developed a complex matrix based mechanical AI to analyze player hands, decide on best moves, and provide player help