# 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: Web Application Development, Database Design, Operating Systems, Big Data, Machine Learning, Assembly*

## SKILLS

**Languages**: C++, Javascript, HTML, CSS, SASS, Dart, C, C#, Java, Python, SQL, UNIX shell scripting
**Frameworks, Libraries, and Environments**: React, React Native, Redux, Angular, Flutter, Node.js, jQuery, AJAX, .NET
**Databases:** SQLite, MongoDB, PostgreSQL
**Creative Libraries:** pygame, p5.js, magenta.js, and Web Audio API
**Machine Learning and Big Data:** 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 and CSS** 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

## PROJECTS

**openCircle**  HackHers 2020/Present
- Secure togglable music discovery app in integration with **Spotify's Web API** showing what toggled users are listening to right now/recently listened to within chosen area radius anywhere in the world using **React, Node.js, and Firebase**
- 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**

**storyTweets**  M  Spring 2020
- Solved problem of not being able to automatically share Twitter tweets to Instagram stories by writing **Python** web scraper/bot utilizing the test automation framework **Selenium**

**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