Shreya Shankar

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Education

Clemson University, Calhoun Honors College – GPA: 3.8/4.0   August 2016 – May 2020 (expected)| Clemson, SC
Computer Science, B.S / Industrial Engineering, B.S.

Experience

Deloitte – *Business Technology Analyst Intern*   Summer 2019| Washington, D.C

- Acted as product manager in development environment of public sites of large federal client.
- Conducted full stack development of multiple features on public sites using C#, React, and React Native
- Designed and implemented web analytics dashboard using Python, Anaconda, and Google Tag Manager

Blackbaud – *Full Stack Software Engineering Intern*   Summer 2018 | Charleston, SC

- Used JavaScript, C#, HTML, CSS, TypeScript, and Angular JS to complete full stack development of feature used by 200,000 clients to manage, add, edit, and delete purchase orders in business operations.
- Completed automation testing for private/public API endpoints as well as regression testing using Jasmine

Vocareum – *Software Engineering Intern*   Summer 2017| San Jose, CA

- Restructured database system, switching from relational to document-based using MongoDB, PHP, C++
- Executed front-end development techniques for graphical and visual representation using Bootstrap, CSS, HTML

Leadership

Clemson Engineers for Developing Countries – *Project Manager*   August 2016 - Present

- Managing project to design and build a hydropower system in the underdeveloped village of Cange, Haiti with the goal of developing a reliable source of power by using the water pressure available from the nearby spring
- Designed system based on flow rate for max power and electrical need, wrote grant proposals for funding

University Innovation Fellow   August 2017 - Present

Selected for international fellowship headquartered at Stanford University geared towards promoting innovation and entrepreneurship on college campuses. ('18 – Present)

CUhackit – *Mentor/Organizer*   August 2018 - Present

As hackathon organizer, duties included managing technical workshops during event and recruiting mentors for hacker assistance. As mentor, helped introduce group freshman to hacking with basic Java.

Clemson University Student Government – Research and Development Chair('18-'19), Chair of Academic Affairs('17-'18)

Projects

SYNNEX – *Microsoft Azure Chatbot Capstone Project*   August 2019 – Present| Greenville, SC

Employed Azure Cognitive Services Toolbox to create chatbot to act as Teaching Assistant for into classes using Q&A bot server data storage for large academic datasets; Worked on team of five students with technical mentors.

WeInnovate: *Nonprofit Web App to raise funds for Engineering Solutions*   January 2019 - Present

Utilized React, JavaScript, React Native, HTML, and CSS to create app that allowed students to answer questions about engineering solutions to donate money to buy such solutions (ex. Irrigation systems) based on correct answers

Other: *QueuedUp* – shared music management system using Flask, Python, HTML, JavaScript, and Swift (VandyHacks 2019 – Finalist), *Have A Great Day* –event sorting app based on interest using Python, HTML, JavaScript (HackerHaven 2018), *GeoSound* – AR app used to drop soundbites in areas in a network made with Unity and C# (VandyHacks 2019), *Electronic Bottle Organ* – laser cut organ from wood and programmed it to play music through vacuum pipes into bottles using Arduino motors (CUhackit 2018 – STEAM hack winner), *Email-Insight* – Machine learning SPA used to predict which emails will bring in donors using DataBricks, HTML, JavaScript, and MySQL (Off The Grid 2017 -- Finalist)

Skills

- **Programming Languages and Frameworks:** Flask, Python, C++, Java, JavaScript, C#, C, SQL, PHP, HTML, CSS, MATLAB, Stata, MySQL, MongoDB, React, React Native, AngularJS, Swift
- **Tools:** SolidWorks Certified, Git & GitHub, Wireshark, Minitab, Databricks, Laser-cutting, CNC 3-D Printing
- **Industry Applicable Skills**: Supply chain analysis, operations research, industrial design, human factors engineering