Phone: +1(608)-466-0059
Email: chokkarapu@wisc.edu
GitHub: github.com/withteja

SAI TEJA CHOKKARAPU

Education

University of Wisconsin-Madison   **Madison, WI**

Bachelor of Science, Major: Computer Science

Major Cum GPA: **3.52**   **May 2021**

Relevant Coursework

Data Structures, Algorithms in **C++** and **Java**, Programming in **C**, Introduction to Artificial Intelligence in **Python**
Machine Organization & Basic Systems, Operating Systems.

Recent Experiences

Software Engineer Intern   **Tautum Games LLC, California**   **Jul 2020 - Sept 2020**
Phase 1
- Implemented Stackdriver uptime checks on Google Cloud Platform to check the activity of all endpoints in different regions. **RESTful API, GCP.**
- Injected APIs locally to resolve various failing API's which increased the accuracy of running the application from 15% to 85%. **Unity, C#.**
- Created Unit tests for the SDK's and improved the performance of the application by 50%.

Phase 2
- Created documentation about what APIs are called, what fields are missing, in which order and on what screens, which APIs are failing, why are APIs failing.
- Added classes, methods, inline-comments as part of DOD (Definition of done) to the existing project which improved code readability.

Undergraduate Teaching Assistant   **University of Wisconsin – Madison**   **Aug 2020 - Present**
- Selected based on proficiency in the course and its concepts. **C and Machine Organization**
- Held office hours, review sessions and developed practice problems to help students in their coursework.

Achievements

- **Best Educator/Student tool (2020)** Awarded at HackMadison, WI for Collabwatch
- **UW Madison ACM-ICPC Coding Contest (2019)**
  Participated in a day long coding competition against UW Madison's top coding talent Placed 6th overall.

Projects

CollabWatch   **Jun 2020**
- Developed a web application that allows you to watch class lectures with your friends or with randomized strangers. Technologies: **Node.js, Amazon EC2, Heroku, PM2, HTML, CSS, Bootstrap, socket.io.**

BonePhone   *Jan 2020*
- Built a real-time, non-EHR based, electronic consultation (e-consult) IOS app to connect the pediatric orthopedic specialists at AFCH to healthcare providers throughout the state of Wisconsin.
- Used Twilio Video SDK's and API's to embed video calling and scheduling feature to the app.
Technologies: **Swift, Xcode, Google Firebase, Twilio API, Twilio SDK.**

WiscBook   **Dec 2019**
- Created a JavaFX application similar to Facebook but this application is specifically for College Students to connect each other with their current projects.
Technologies: **Java, JavaFX**.

Languages and Technologies

- C, C++, Java, Python, C#, JavaScript, Bootstrap, Node.js, HTML, CSS, x86, Junit.
- AWS, XCode, Figma, Microsoft Excel Postman, JavaFX, x86 VHDL, Firebase, RESTful API.