SINDHURA BAGODU RAMACHANDRA

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EDUCATION

University of Southern California, Viterbi School of Engineering   **Los Angeles, CA**
Master's in Computer Science   **Dec 2023**
Relevant Coursework**:** Analysis of Algorithm, Foundations of Artificial Intelligence

Sri Jayachamarajendra College of Engineering   **Mysore, Karnataka**
Bachelor of Engineering in Computer Science   **May 2016**
GPA – 9.05/10

EXPERIENCE

AVAYA INDIA PVT LTD   **Bangalore**
Software Engineer I   **Jun 2017-Nov 2021**

- Worked on an SDK tool that aids interaction between Unified Communication software and IP Office (Avaya's Communication server). Resolved high priority bugs, stabilizing and enhancing the product, translated requirements into features, working with Product Manager and other stakeholders.
- Implemented Network resiliency for an SDK tool, reduced application downtime to milliseconds ensuring fault tolerance and network redundancy.
- Contributed to seven major releases of product through multiple features such as Single Sign On with OAuth 2.0, Apple Push Notification, server-based call logging and telephony features such as Conferencing over VoIP and took complete ownership of delivery. Drove number of agile product development life cycles by collaborating with team across geographies
- Developed a framework for unit testing using Google Test automation framework and wrote automated testcases enabling early detection of conflicts and failures. Also reduced QA testing turn-around time by 80%.
- Implemented API's for third party developers providing seamless access to core product functionality over SIP, REST and MTCTI protocols.

AVAYA INDIA PVT LTD   **Bangalore**
Technical Associate   **Jul 2016-Jun 2017**

- Designed UI enhancements in Swift for a softphone application deployed on Avaya's proprietary PBX over WebRTC media engine. Configured and tested Avaya's IP phones on various on-premises and cloud deployments.
- Integrated a Unified Communication software – Equinox on different PBX solutions of Avaya, excelled in troubleshooting network communications over on-premise and virtualized proprietary servers

LEADERSHIP AND INVOLVEMENT

Avaya Rocker's Club   **Bangalore, Karnataka**
Volunteer   **Aug 2016- Jul 2018**

• Organized team activities such as Food festival, charity work for students and technical events

Linux Campus Club   **Mysore, Karnataka**
Volunteer   **Sep 2015-Oct 2015**

- Participated in technical fest. Also, contributed to creative committee of the club by involving in paintings and artistic models.

ACADEMIC PROJECTS

Toxic comment classification from social media   **2021**

- Built an ML model to classify the comments into five different sections based on toxicity

Handwritten letter recognition   **2021**

- Built CNN model to classify the handwritten alphabets that are captured from webcam.

Urbanity   **2019**

- Developed an end-to-end E-commerce website for Shopping with PayPal payment integration using Django

Cloud Service Provider Recommendation Engine   **VIII Semester, 2016**

- Built a recommendation system for cloud service providers through hierarchical clustering technique combining both Content-based filtering and Collaborative filtering using Matlab

Greeto   **VI Semester, 2015**

- Designed a social networking website where user can connect with others by adding people to Friends and Family circle, share multimedia content on timeline using HTML, CSS, Bootstrap, PHP, SQL, XMPP

SKILLS AND INTERESTS

- Languages: C, C++, .Net, JavaScript, Objective C, Python, HTML, CSS, PHP, SQL
- Tools: Visual Studios, XCode, Matlab, Git, Maven, CMake
- Technology: VoIP, MTCTI, SIP, REST, Django, OpenCV