

RAJITHA BHAVANI KANTHETI

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EDUCATION

Clemson University

GPA: 3.74/4.00

Master Of Science, Computer Engineering (Specialization: Intelligent Systems)

Aug 2019-May 2021

Research Work: "Measuring the efficiency of classification algorithm on traffic sign dataset", Advisor: Dr. Sally A. McKee

Learning: Software Engineering, Database Management Systems Hands-on, Data Structures and Algorithms, Statistic using R programming, Computer Vision

Jawaharlal Nehru Technological University

Bachelor Of Science, Computer Science and Engineering

May 2018

Learning: Database Management Systems, Design and Analysis of Algorithms, Unified Modeling Language, Web Development, Object Oriented Programming, Cloud Computing, Distributed Computing, Operating Systems

TECHNICAL SKILLS

- **Programming Languages:** Java, Kotlin, React Native, Swift, JavaScript, Node.js, ReactJS, Python, C++, Objective-C, C#, HTML/CSS, PHP, XML, GoLang, EmberJS,
- **Database:** Elastic Search, PostgreSQL, MYSQL, AWS
- **Tools:** Agile Scrum, Atlassian Jira, Visual Studio, GIT, Mercurial, IntelliJ, Android Studio

EXPERIENCE

Technical Solutions Specialist

Cisco Systems Inc

Technology- Kotlin, Flutter, MVC, Swift, React Native, Firebase Database

June 2021 to Present

Working in an Agile based environment to develop highly scalable, efficient and reusable PoCs and deliver it to the customer. Built android and IOS apps on Webex android SDK and also worked closely with the SDK team to identify and remove software bugs.

- Created personalized android apps for customers with Webex Calling solutions embedded in it, where an agent can login (OAuth) and PSTN or SIP dial a number. This PoC attracted 20+ customers and helped in generating a revenue of 50M+
- Built chat and meet android and IOS app, which on button click redirects you to the professional using NLP bot and provides chat and meet support
- Built a safety feature for drivers on Webex SDK, which disables the functionalities of the app and also sets the driver's Webex Status to Do not Disturb and driving, when the driver is above 10 MPH speed.
- Increased native mobile SDK customers by 50%, by building react-native apps that works on both android and IOS with single piece of java script code.
- Created peer support app, which is a community-based peer-to-peer mental health support platform.
- Received Impact Achiever award in the years 2022, 2023.

Software Development Intern

Avalara

Technology- Python, Google Colab, NLP, CNN, PyTorch, Atlassian Jira, GitLab

Jan 2021 to April 2021

- Worked in an Agile based environment to Implement signature detection and verification system on identity documents using natural language processing. Evaluated and improved the blind set with an initial expectation of 80% of precision and recall.

Graduate Research Assistant - Autonomous f1tenth race car project

Clemson University - ECE Department

Technology- Python, ROS, Google Coral, CNN, GAN, Tensor Flow, SLAM

Oct 2019 to Jan 2021

- Built autonomous race cars considering power efficiency and performance on GPUs like Google coral and Nvidia Jetson.
- Implemented data augmentation techniques like pix2pix, DCGAN, cycleGAN and WGAN on CNN classification algorithm using German Traffic Sign Recognition Benchmark in tensorflow, resulting in improvement of classification accuracy from 95% to 99% and production of unbiased traffic sign dataset.

Member Technical Staff (Full Stack Developer)

Zoho Corporation Pvt Ltd

Technology- Java, EmberJS, Postgres, Elasticsearch, Agile, REST APIs, GIT, Mercurial

June 2018 to June 2019

- Designed threat intelligence feature on the product Event Log Analyser, which lets the user receive instant alerts when malicious IP sources interact with their network, using distributed file systems to store STIX/TAXII and AlienVault OTX, which helped the product generate 1.5 million revenue that year.
- Worked on the product Cloud Security Plus on collecting, monitoring and analyzing log data to provide insights on activity happening in the AWS, salesforce environments, developed using Agile Scrum methodologies.

PUBLICATIONS

- Kantheti, Rajitha Bhavani. "Smart Watch to Detect Levels of Vitamin D." International Research Journal of Engineering and Technology (IRJET) , vol. 07, no. 05, May 2020, doi:<https://irjet.net/archives/V7/i5/IRJET-V7I5936.pdf>.