

Manish Enishetty

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ACADEMIC PROFILE

Clemson University	Jan 2021- Dec 2022
Master's in Computer Science	CGPA: 3.56
Chaitanya Bharathi Institute of Technology, Osmania University	2019
Bachelor of Engineering, Information Technology	CGPA: 7.54

PROFESSIONAL EXPERIENCE

Clemson University May 2020 – Present
Research Assistant in Design and Research of In-Vehicle Experiences Lab (DRIVE Lab)

- Responsible for Application Development in Multiple Projects in the DRIVE Lab which are Funded by organizations like National Highway Traffic Safety Administration (NHTSA), US Department of Transportation (US DOT).
- Developed Ridesharing Application which enables older adults to book ride in Autonomous ridesharing vehicles. Developed both Frontend and Backend of the Ridesharing application using React Native framework, AWS Dynamo DB and GraphQL.
- Worked as a team member in one of the projects involving windows application development for Microsoft Tablets and Windows Desktop.
- Responsible for developing the cognitive services using Microsoft Language Understanding (LUIS) and transfer the data obtained from Voice Recognition Module to the Backend database.
- Successfully developed and integrated LUIS App with our application and the accuracy of the system is around 98%.
- Integrated Bing Maps API with the data we obtained from LUIS.

Application Development Associate, Accenture June 2019 – Dec 2020

- Trained in SailPoint IIQ to work for IAM (Identity and Access Management)
- Also Trained in JAVA EE, Spring Framework, Jenkins, Agile Management.
- Worked on multiple cyber security tools like SailPoint, CyberArk, Iris, CA Access Gateway, Microsoft ADLDS and worked on BMC Remedy.
- Monitored around 30+ critical tasks and 100+ production and lower environment servers on daily basis for the successful running of the background process across all the applications.
- Resolved around 20+ incidents per week in SailPoint involving Database issues, Authentication issues.
- Run Complex SQL queries on the database of employees to understand the Data Inconsistency issues with respect to Microsoft ADLDS and other applications which uses employee data.
- Worked with Active Directory, LDAP groups for Identity and Access Management

TECHNICAL SKILLS

Languages: C, C++, Java, R, Python3, Kotlin, C#

Operating System: Linux, Windows, Mac OS

Web Technologies: HTML, CSS, JavaScript, Bootstrap, TypeScript

Database: MySQL, GraphQL, MongoDB, AWS Dynamo DB

Framework: React Native, Android SDK, Spring Boot, Jupyter Notebook, .Net, Angular JS

Library: PyTorch, Keras, Yaml, TensorFlow 1.0

Identity and Access Management: SailPoint IIQ

JOURNAL PAPERS

Co-authored paper on Neural based visual processing system for automatic detection and recognition of road signs from live video feeds.

Co-authored paper on Collaborative filtering algorithm over e-commerce website based on user interest published in International Journal of Innovative Research in Science, Engineering and Technology

ACADEMIC PROJECTS

Ridesharing Application | Technical Environments: React Native, Google Maps API, AWS Dynamo DB, AWS Amplify, AWS Auth, GraphQL, IntelliJ WebStorm

- Developed a ridesharing application using React Native for both iOS and Android operation systems.
- This application will help older adults to book a ride in autonomous ridesharing cars.

- Users will be registered using AWS Auth into the application
- Using Google Maps Places, the users can select the destination
- Registered Users can see the cars nearby their location and select preferred vehicle for ridesharing.

ADS-DV-HMI | Technical Environments: Microsoft LUIS, C#, Bing Maps API, XAML, WINUI 2.6

- A Windows Application developed using C# and .net framework for Microsoft Surface tablet, which is an Infotainment system in an autonomous vehicle.
- This application increases the accessibility of physically disabled persons using advanced features like voice Recognition.
- Infotainment systems includes Maps, Radio, Live TV.

Video Caption Generation | Technical Environments: TensorFlow, PyTorch, Python3

- Developed a Sequential-to-Sequential model using Encoder and Decoder networks which takes the video as input and generates captions for the video as output.

Weather App | Technical Environment: Java, Android Studio, xml, OpenWeatherAPI

- Developed an Android app, The UI has been developed with Fragments and Backend using Java. The Backend uses OpenWeatherAPI an opensource website for obtaining weather information.

Recognition of Road Signs | Technical Environments: Tensor Flow, Keras, NumPy, Python, Convolutional Neural Networks.

- Designed a system that is able to detect and recognize circular, triangular signs, covering all existing GTRSB traffic sign shapes based on generalization properties of CNNs

License Plate Recognition | Technical Environments: OpenCV, Python

- Designed a system for performing an automatic recognition of number plate of vehicles in a picture using K-NN algorithm