

SINDHU SREE AITA

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EDUCATION

Master of Science in Computer Science

GPA: 4.0/4.0

Arizona State University (ASU) | Tempe, Arizona, USA

Expected : 12/2022

- **Relevant Courses:** Foundations of Algorithms, Cloud Computing, Distributed Database Systems, Data Visualization

Bachelor of Technology in Electronics & Communication Engineering

GPA: 7.57 / 10.0

National Institute of Technology | Surat, Gujarat, India

Graduated : 05/2018

- **Relevant Courses:** Data Structures & Algorithms, Object Oriented Programming

EXPERIENCE

System Engineer, MatrixComsec Pvt Ltd. | Vadodara, Gujarat, India

06/2019 - 05/2020

Technology Stack: Python, Flask, EC2, S3, SQS, C#, MySQL, React.js

- Designed and developed a cloud IaaS application 'perimeter security system', to detect objects in a restricted area
- Successfully achieved complete decoupling of user requests & processing
- 10% optimization in processing speed is achieved by implementing architectural changes
- Identified buggy features in Smart Client, Multi Display client, implemented the fixes for it

Associate System Engineer, MatrixComsec Pvt Ltd. | Vadodara, Gujarat, India

06/2018 - 05/2019

Technology Stack: Java, Android Studio, photoshop, Vue.js, Spring Boot, Oracle SQL

- Designed, Implemented a Voice Assistant for Android Unified Communication Client with various features like making calls, messages, voicemails, user status management
- 15% rise in the usage of application has been observed with the implementation of Voice Assistant
- Designed and developed a full stack web dashboard application for tracking the available features usage

TECHNICAL SKILLS

Programming & DB: Python, C#, Java, C++, Javascript, Shell / Bash, PostgreSQL, MySQL, MongoDB, Oracle DB

Front/Backend Dev: HTML, CSS, Node, React, Spring Boot, Django, Flask, Apache Spark, REST

Tools: Git, AWS, GCP, Hadoop, Android Studio, Tableau

ACADEMIC PROJECTS

Library Management System | Java, Spring/Spring Boot, JPA/Hibernate, React JS

06/2020-12/2020

- Designed & developed a system with up-to-date information to search & maintain the books, study room availability
- Users can login as Admin, Librarian, Student to perform CRUD operations based on the access groups assigned on their role using consumed REST APIs built on Java Spring Boot.
- Used Spring security, Data JPA for authorization and data management, implemented message service and excel import/export using Apache POI. Used React JS and Bootstrap for a responsive User interface.

Geospatial Data Processing Engine | Apache Spark, Scala, MongoDB, Hadoop, PyMongo, python

01/2021-05/2021

- This project involved analyzing NYC Taxi Trip spatio-temporal data & applying spatial statistics in order to identify statistically significant spatial hot spots areas using Apache spark
- Implemented a model to find the business activities based on the locations and cities using spatial and textual searching on MongoDB using the PyMongo interface

Brain Signals Liveness Detection | Flask, Python, ML, Java, Android Studio

06/2020-12/2020

- Developed an Android application to detect the liveness of the brain signals using a trained ML model on the provided dataset of live and non-live signals in the backend server
- The initial dataset was processed and features like zero crossing rate, Discrete Wavelet Transforms were extracted
- 5 Machine Learning models Random Forest, Logistic Regression, Hierarchical Clustering, Support Vector Machine, and MLP Classifier were used to train and test the data
- Using frequency sampling to change the feature extraction techniques, achieved top accuracy of 97%

INTERESTS

- Design of Algorithms
- Data Structures
- Competitive Coding

ACCOMPLISHMENTS

- Winner at DotSlash Hackathon competition conducted by SVNIT Surat, 2017
- Ranked among the top 10% participants in the coding competition conducted by Hacker rank in 2018