

## SAI RAM PASUPULETI

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### EXPERIENCE

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#### **Tata Consultancy Services-**

**Hyderabad**

**Client: Apple, US**

**July 2020-Present**

- Working as Mobile apps server engineer for apple us client team.
- Responsible for developing Admin and debugging pages for different microservices for different functionalities for apple online store and mobile applications.
- Facelifted admin and debugging pages to responsive in all views using Bootstrap framework styling.
- Developed functionality for accessing different configurations for different services at endpoint using Spring boot and Java.
- Developed API for accessing different store details, availability of products at store.
- Working on building Admin and debug pages for spring boot microservices using React js.

#### **CODEMANIA-**

**Hyderabad**

**Research Intern**

**July 2019- Oct 2019**

- Worked as Research Intern in the field of Machine Learning.
- Applied different research methodologies and developed a machine learning model by combining machine learning and reinforced learning algorithm which continuously learns and trains based on user's feedback.

### PROJECTS AND RESEARCH

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#### **App Recommender System from play store based on user requirements and interests using Machine learning and reinforced learning –**

- Developed a machine learning model that predicts best application from the play store based on user requirements and interests using machine learning and python.
- Developed an interface as android application using android studio and java.
- Google firebase is used to store the data.

#### **Web application for reviewing phones and viewing reviews of each phone and comparing phones using React JS, Spring Boot and SQL–**

- Developed a web application that is responsive using react and bootstrap frameworks and used spring boot and sql to store and retrieve phones data.
- Developed API for comparing different phones based on user reviews.

## **A Cryptographic algorithm that overcomes many defects of RSA**

### **Algorithm using C++-**

- Developed a algorithm that generates unique key and encrypted message for irrespective of users and also overcomes many defects of rsa algorithm.

### **A messaging android and web application was developed using android studio and react and spring boot-**

- A Messaging application was developed using android studio that can be used in android and also developed for web interface using React js and spring boot.

### **A Web application was developed that can be used to donate food-**

- Web application was developed in which people / restaurants can upload available food they want to donate and the users who are in need or in know someone who are in need can contact and can be helped using React js , bootstrap.

## **Skills**

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**Competitive programming / coding** – C, C++, Java, Python, Data structures, Algorithms.

### **Web development-**

- **Frontend skills:** React JS, Bootstrap, Java script, Html, CSS, Node JS.
- **Backend skills:** Spring MVC, Spring boot, Flask.
- **Database:** My SQL, Oracle SQL.
- **Cloud:** AWS.

### **Artificial intelligence-**

- **Technology:** Machine learning, Reinforcement learning, NLP, Image processing, Web scrapping.
- **Tools:** Weka, Aws using machine learning, Jupiter, Rasa chatbot.

**Others-** Cryptography, Android development, operating systems, research.

## **EDUCATION**

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|-------------------------|----------------------------|--------------------|------|
| Bachelor of Engineering | MVSR Engineering College   | Osmania University | 8.24 |
| Intermediate            | Sri Gayatri Junior College | SSC                | 89.7 |
| High School             | Nagarjuna talent school    | SSC                | 9.2  |

## **CERTIFICATIONS**

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- Programming using C and C++ from Coursera and Duke university.
- Data structures and algorithms certification from Udemy.
- Programming in java certification from Indian institute of technology (IIT Bombay)
- My sql and php certification from Indian institute of technology (IIT Bombay)
- Full stack development using react js from Udemy.
- Machine learning using python certification from Tata consultancy services.

## **ACHIVEMENTS**

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- Achieved 1041 rank out of 40k participants across the world and 547 rank out of 20k across INDIA, (Top 2 Percentile) in CODEJAM - Biggest competition conducted by GOOGLE every year.
- Achieved 5 star in problem solving and python in Hacker rank platform.
- Won best project award consecutively for 2 academic years in engineering.
- Won best team of the year award from Tata consultancy services.