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Experience

System Engineer

TCS Innovations Lab,
TRDDC

Oct 2019 – Present

Pune, India

- Currently working on intent detection and slot filling for the legal document using Attention-based Recurrent Neural Network.
- Technologies used are Python, Keras, Pandas, Numpy, Matplotlib.

System Engineer

Tata Consultancy Services

Sep 2017 – Oct 2019

Chennai, India

- Created RESTful service to operate and handle a large amount of data in less time.
- Created many reusable services and methods as a part to refactor code and improve performance.
- Configured Continuous Integration and Deployment for the project using Jenkins and Gitlab.
- Technologies: Java 8, Spring Boot, Oracle DB, Maven, Jenkins, JUnit, Mockito, Restful Web Service.

Software Developer Intern

Google Summer of Code

May 2017 – Aug 2017

Remote

- Improved the overall UI by implementing a spreadsheet interface for adding students in a course.
- Created and executed automated software test scripts to uncover and identify software problems.
- Resolved 30+ bugs in the product to improve performance and user experience.
- Technologies used are Java, JavaScript, CSS3, Bootstrap, Selenium, and QUnit for Js testing.

Skills

- Languages: Java, Python, JavaScript, SQL
- Databases: MySQL, MongoDB, Oracle 11g, SQL Server 2016, Redis
- Internet Technologies: HTML5, CSS3
- Tools/Frameworks: Spring, Spring Boot, Docker, JUnit, Mockito, Git, Postman

Projects

- **Chat Rooms** (<https://github.com/amarlearning/chat-rooms>) Real time public/private chat application using spring boot web-sockets. Java 8, Spring Boot, Websockets, JQuery, SockJs
- **Finger Detection and Tracking** (<https://github.com/amarlearning/Finger-Detection-and-Tracking>) A histogram based approach is used to separate out the hand from the background frame. Python, OpenCV
- **Github Sectory** (<https://github.com/amarlearning/Github-Sectory>) CLI application for downloading sub-directory of any Github repository using Github Content API. Python, Clint

Achievements

- (Google Summer Of Code) Completed Google Summer of Code in 2017 by working on Teammates project by the National University of Singapore.
- (Cummins, TCS) Star Performer Award for delivering the Best Project of Cummins, TCS 2019.
- Over 10+ people have used Finger Detection and Tracking project in their research work and over 50,000+ people have cloned this project on Github.
- Over 62000+ people have downloaded the Github Sectory package via pip as of now.