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EDUCATION

International Institute of Information Technology Hyderabad

M.Tech in Computer Science GPA: 7.97/10.00

Hyderabad, India

Aug 2019 - May 2021

EXPERIENCE

Qualcomm Technologies

Software Engineer

- Responsible for full SDLC in Camera Software Team.

Hyderabad, India

June 2021 - Present

Alien Brains

Software Developer

- Responsible for full SDLC of Back-End engineering using Ruby on Rails.

Kolkata, India

Dec 2018 - July 2019

Cognizant Technology Solutions

Programmer Analyst

- Implemented a competency resource management using Java, JSP, Servlet for internal hiring of employees.

Chennai, India

Nov 2017 - Nov 2018

Expertise/Competency/Skills

BackEnd Engineering

- Have built websites in Flask, Spring, Ruby on Rails using monolithic architecture.
- Built micro-services based application using python, dockerized the services, used kafka for streaming of data.
- Holds very good knowledge in System Design, Distributed System, Design Pattern through project as well as theory.
- Have worked on SDLC using TDD, CI/CD, etc.
- Holds excellent hands-on experience on Code Editors, Linux System.

Machine Learning

- Built several models of machine learning using only Numpy, Pandas, i.e., without using any external library
- Built Chatbot specifically for Older-Age peoples, taking care of their sentiment.
- Holds very goods theoretical as well as practical knowledge on Deep Learning, Convolutional Neural Network, Tuning Models using early stopping etc.

PROJECTS

Distributed IoT Platform

Jan 2021 - May 2021

- A Distributed Fault-Tolerant Platform where IoT based applications can deployed, monitored, derive analytics.
- Built Micro-services based architecture, deployed services using Docker Containers.
- Used Apache Kafka for streaming of sensors data.

Wiki Search Engine

Feb 2020 - May 2020

- Created a complete search engine by creating an inverted index on the Wikipedia corpus (2020, size of 42 GB), that gives top K search results related to a given search query.

GDriveFS

Sept 2019 - Oct 2019

- Mounted Google Drive on Linux System using FUSE module.
- Through these all google drives files can be accessed on local system.

Information Bottle-Neck Theory on Deep Learning

Jan 2021 - April 2021

- Implemented the above research paper which dis-approved information theory claim on deep learning.

Bare Necessities

Jan 2020 - April 2020

- Implemented the location based service for finding daily essential in nearby area during covid-19 pandemic, when finding daily essential was tough

ADDITIONAL

- **Relevant Coursework:** Data Structures and Algorithms, Information Retrieval and Extraction, Distributed Systems, Databases, Mathematics for Deep Learning, Machine Learning + SMAI, Operating System
- **Programming Languages:** (Hands-on) Python, C, C++, Java | (Knowledge) JavaScript, NodeJs, React
- **Framework/Libraries/Technologies/Tools :** Apache Kafka, Containerization, Sklearn, Keras
- **Coding Platforms Profile Link (Click on each profile):** Codechef, Codeforces, Leetcode
- **Achievements:** Secured 98.6 percentile among 10lac candidate in GATE(2019), Secured 99 percentile among 1lac candidate(2019).