

Raj Shah

Graduate student at UNCC

Turn data into information and information will turn into insight.

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EDUCATION

Masters in Computer Science

University of North Carolina, Charlotte

01/2021 - Present

Charlotte, NC

Courses

- Algorithm and Data structure, Parallel computing, Cloud Computing, Intelligent systems

Bachelor in Information Technology

Dharamsigh Desai University

10/2014 - 05/2018

Nadia, India

3.8 GPA

- Software Engineering, Database Systems, Applied Operating System, Distributed Computing

WORK EXPERIENCE

Senior Systems Engineer

Infosys LTD

05/2018 - 01/2021

Pune, India

Backend Integration Developer / Dev-Ops Engineer

Achievements/Tasks

- Built a Software using Spring boot, Django that runs jobs on kafka pipelines on Azure Cluster.
- Developed end to end application for audit systems logs for regulatory investigations using python and react js.
- Built a software system to semi-automate Company's marketing work with Chrome Extension and REST API Web backend using Spring boot and Node.js, efficient in reducing ~ 40 % of Marketing team's manual work.

Intern

Infosys LTD

01/2018 - 04/2018

Mysore, India

score 95% and got top performer in project evaluation

- Got trained in basic Python, Java, Node Js technologies.
- Selected Natural language processing and machine learning as the main technology and used the knowledge to make the research-based project on automatic query creator and which creates a complex query and aggregates queries from sentences eliminating the human errors.

ACHIEVEMENTS

Insta award (2020)

Given for best practice in integration and cloud technologies and contributing in algorithm creation for supervised learning enhancing product efficiency given at organization level by Head of Global Services.

Rising star (2019)

For showing excellent dedication and performance as a system engineer for 2018, given at Unit level from the pool of 1000+ system engineers.

SKILLS

Spring Boot

Azure Cloud

Django

React.js

Mulesoft

MySQL

MongoDB

Node.js

Python

AWS

kafka

PROJECTS

Video Action Classification - Recognition(Python, PyTorch, Matlab) (01/2021 - Present)

- Trained CNN for human action recognition task on the UCF101 data .Achieved 86% (1st in class) on image test data, and 84% (2nd in class) on video frames test data
- Working on Transfer Learning to compute features for 60000 video frames with limited compute resources

Data analysis platform (04/2019 - 09/2020)

- Developed a web application using flask framework and Python for server-side and deployed it to AWS cloud as SaaS. Used bokeh, plotly for visualization and logistic regression and naive Bayes for data prediction.

Near Me (03/2018 - 05/2018)

- Created an IOS application to perform better Map experience. Using google geolocation API and Swift 3 language that can give most visited places like restaurants, malls, and hospitals. Using firebase and oracle 10g for database operations.

Synchronize local storage and AWS S3 storage (2017)

- Using programming language Javascript, developed a crossplatform desktop application leveraging ElectronJS framework. Over time incorporated many AWS services such as lambda, SNS together in it and enhanced my desktop application using asyncawait.

CERTIFICATES

Azure Developer Associate By Microsoft (01/2021 - 01/2023)

I got experience on building, testing, and maintaining cloud applications and services on Microsoft Azure.

Azure AI Engineer By Microsoft (12/2020 - 02/2022)

Learned about Modeling ,Cleaning and successfully implemented and Deployed AI Application on Azure with full lifecycles.

Mulesoft 4 : Certified Developer

Acquired skill in API lifecycle and Integration of various resources like databases, web and cloud services, PaaS applications, and JMS queues, and data transformations, Process batch records.

Sequence Models by deeplearning.ai

I build and trained GRUs and LSTMs (Recurrent Neural Networks). Applied text synthesis to natural language problems and learned about speech recognition and music synthesis.

VOLUNTEER EXPERIENCE

Microsoft Student Ambassador -Alpha Level (01/2021 - Present)

Trying to give community back by conducting seminars and online meetup on open source , cloud native technologies and AI.