

Prashuk Ajmera

Dallas, TX - 75248

prashuk.ajmera@utdallas.edu • 4693804626

bit.ly/github-paj • bit.ly/linkedin-paj

EDUCATION

- **The University of Texas - Dallas** Expected May 2020
Master of Science - Computer Science GPA 3.6/4.0
- **VIT University, India** May 2015
Bachelor of Technology - Computer Science GPA 3.8/4.0

TECHNICAL SKILLS

Programming Languages: Java, Swift, Python, JavaScript, C++, C#

Web: HTML, CSS, PHP, NodeJS, jQuery, React, Angular, Express, Spring, Hibernate, Bootstrap

Others: iOS Development, Oracle SQL, MySQL, MongoDB, DynamoDB - AWS, Serverless, .Net, Kony

PROFESSIONAL EXPERIENCE

Teaching Assistant, **CS Department – UT Dallas, TX** Sep 2018 – present

- Assisting graduate students in Web Development, which normally include frontend & backend queries. Grading their assignments, homeworks and projects.

Software Engineer, **Cognizant, India** Sep 2015 – Jul 2018

- Designed and developed optimized and efficient iOS Mobile & Web Apps in different sectors.
- Experienced with database, multithreading & rest API's connection.

Software Engineer Intern, **Rao Edusolutions, India** Jun 2014 – Aug 2014

- Worked on Adaptive Online Assessment and Analysis Portal with HTML, CSS, JavaScript, PHP & MySQL which delivers 10 million tests annually and have 500 thousand registered users till now.

TECHNICAL PROJECTS

Ecommerce Shopping (React, MongoDB, NodeJS)

- Developed a web application for online shopping using React & MongoDB and deployed to heroku server. Added search, filter & sort methods on different components to enhance user experience and secured authentication for each user.

Food Menu Search (React, Serverless, DynamoDB, NodeJS)

- Developed & tested Rest API's with NodeJS - Express framework for adding & fetching food items with their ingredients in & from DynamoDB- AWS. Implemented elastic search & used React for Frontend web application.

Human Protein Classification (Python, Scikit, NumPy, Pandas, Neural Net)

- Developed a model which classifies mixed patterns of proteins in microscope images across 28 classes of the human cell. Used InceptionResNetV2 framework as a pre-trained model.
- Cleaned data and achieved 86% accuracy with a batch size of 25 images.

NH Medicare (iOS, Swift, Xcode)

- Developed a patient's health statistics iOS app which records health data and notifies doctor/nurse about the patient's condition. MVC design pattern has followed for this project.
- Implemented features like print, 3D touch, and TouchID for efficient user experience.

Taxi Database Management (Oracle SQL)

- Designed & Implemented a Taxi Management database model using Oracle RDMS and implemented triggers & procedures using PL/SQL. Created index on tables for faster data retrieval to enhance performance.