

ADITYA RATHOD

adityarathod01@icloud.com • github.com/adityarathod • adityarathod.github.io
Fremont, CA / Richardson, TX

Education

The University of Texas at Dallas, Richardson, TX Aug 2019 – May 2023
B.S. in Computer Science, Minor in Business Intelligence & Analytics **3.94/4.0 GPA**
National Merit Scholarship Recipient

Technical Skills

Languages: JavaScript/TypeScript, Java, Python, HTML/CSS, C++, SQL
Frameworks/Tools: React, Redux, NodeJS, Express, React Native, Spring Boot, Pandas, NumPy
Databases: MongoDB, MySQL

Relevant Coursework

Database Systems (SQL)*	Differential/Integral Calculus	Linear Algebra*
Data Structures/Algorithms	Programming II (C++)	Discrete Mathematics I/II
Computer Architecture*	AP Computer Science (Java)	Probability & Statistics

* in progress

Work Experience

Software Developer Intern, RealPage Inc., Richardson, TX May 2020 – Aug. 2020

- Created hybrid, cross platform proof-of-concept redesign of Leasing Tablet mobile app, using React Native, **doubling the number of platforms supported**
- Implemented Leasing Tablet API in Spring Boot/Java, **unifying data access to three different APIs** used in the Leasing Tablet application, including a novel ID verification API
- Technologies used: JS/TypeScript, React Native, Redux, Jest, Java, JUnit, Spring, PostgreSQL

Summer Undergraduate Researcher, UT Dallas, Richardson, TX Jun. 2019 – Aug. 2019

- Learned basics of deep learning by developing a sequence-to-sequence model for abstractive news summarization in Keras and TensorFlow
- Collected novel training dataset of **25,000 news articles** using custom scraper written in Python
- Presented findings at a poster symposium with computer science faculty in attendance

Projects

Accepted: College Application Mentorship Platform

Developed a proof-of-concept college application mentorship platform in two months with a forum, personalized chat feature, and college preference matching feature. Technologies used include React, NodeJS, Auth0 (JWTs), GraphQL, and MongoDB. *Overview video:* <https://youtu.be/mD2aTnrAuxo>

Liform: Medical Billing Analytics Application

Worked in a team at HackRice 9 to develop an application to compare treatment costs across multiple hospitals. I developed an ETL pipeline and a generalized import system that matches Diagnosis-Related Group (DRG) codes with price descriptions as given by medical providers. Technologies used include React, NextJS, NodeJS, Express, MongoDB, and Python.

Activities

UT Dallas Association for Computing Machinery, Research Officer Apr. 2020 – Present
UT Dallas Artificial Intelligence Society, Operations Coordinator Oct. 2019 – Present