

ADITYA RATHOD

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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 **3.91/4.0 GPA**
National Merit Scholarship Recipient

Technical Skills

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

Relevant Coursework

Database Systems (SQL)	C++ and UNIX/Linux*	Linear Algebra
Data Structures/Algorithms	Programming II (C++)	Discrete Mathematics I/II
Advanced Algorithms*	AP Computer Science (Java)	Machine Learning*

* 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 API in Spring Boot/Java, **unifying data access to three different data sources** 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

ACM Hacktoberfest: Dynamic Website for 300-Attendee Online Event (hacktoberfest.acmutd.co)

Collaborated with designers and event organizers to rapidly develop an on-brand event website from scratch with event detail pages, dynamically rendered schedule, and real-time leaderboard **in about 2 weeks**. Utilized features such as NextJS Static Site Generation to continuously deploy to Github Pages. *React, NextJS, Firebase, TailwindCSS*

Accepted: College Application Mentorship Platform (Overview video: <https://youtu.be/mD2aTnrAuxo>)

Developed college application mentorship platform in **two months** with a forum, chat feature, and matching feature. *React, NextJS, NodeJS, Auth0, GraphQL, MongoDB, Vercel*

Liform: Medical Billing Analytics Application (HackRice 9)

Worked in a team to rapidly develop a web app **over 48 hours** to compare medical treatment costs. Developed frontend UI and backend logic for price data import system. *React, NextJS, NodeJS, Express, MongoDB, Python, Vercel*

Activities

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