

Rishabh Tatia

Software Developer

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Education

Texas A&M University Aug 2018 - May 2022

B.S. in Applied Mathematics, Computer Science GPA: 3.4

Notable Courses: Discrete Math, Linear Algebra,
Data Structures & Algorithms, Programming Languages

Experience

TAMU Datathon tamudatathon.com June 2020 - Present

Tech Director

- Organized the **largest MLH Datathon event** with 2000+ applicants, spanning 120+ majors and 120+ universities
- Built an event and **participant tracking system**, implemented **log-in/sign-up functionality**, and created a progress logging Slack bot.
- Worked in a team of 5 to develop the organization's **open source website and tools**.

ACE Lab acelab.tamu.edu Feb 2020 - Present

Full Stack Developer

- Published a **data entry, visualization, analysis webapp** for Interactive Episode Analysis.
- Built the official lab website that serves over **12000 users** per year.
- Redesigned, updated, and maintained several pages across the website.

4.0 Tutoring fourotutoring.com Sept 2019 - Jan 2020

Full Stack Developer

- Redesigned the tutoring website to make it **user-friendly**.
- Created a work **logging and authenticating system**.
- Assisted in **increasing sales by 4%** over the next semester.

Skills

Languages

- Typescript
- Python
- Java
- C++
- PHP
- MySQL
- Scheme
- R
- Verilog

Technologies

- Next.js
- React
- Node.js
- Flask
- Django
- MongoDB
- SQL
- AWS
- JQuery

Projects

WIEAT wieat.vercel.app Oct 2020 - Jan 2021

Web-based Interactive Episode Analysis Tool

- Developed and published a **data entry, visualization, and analysis** web app.
- Automates the process of episode analysis hence **increasing convenience, effectiveness, and efficiency** during research.
- Generates a **centralized database** of interactions and episodes.

Ag Degree Planner tamudp.vercel.app Nov 2020 - Dec 2020

Web-app that creates/generates a degree plan for the user.

- Centralized all required and helpful information** for a degree on one page along with **intuitive UI/UX**, making the app easy to use.
- Frequent updates for new majors.
- Scalable idea and implementation** for several universities.

Pathfinder tatiaris.github.io/pathfinder Dec 2020

Path finding algorithm visualizer.

- Developed an interface that allows users to visualize how a **path finding algorithm** works.
- Implemented **movable starting and ending positions** along with animations, for ease of understanding.
- Integrated functionality to add and remove impenetrable walls.

Activities

A&M Racquetball Club August 2019 - Current

Team Officer

- Won Men's Singles and Doubles tournament** against Texan universities at Aggieland Open 2020.
- Won Men's Doubles tournament** at UT Austin's 2020 Tournament.
- Qualified for National Intercollegiate Racquetball Championship in 2020 (Cancelled due to Covid-19).

Tamuhack 2020 Jan 2020

Spot 'Em (Australian Bush Fires Challenge)

- Developed Spot 'Em, a web-app that would help **identify and report endangered species**.
- Integrated **Computer Vision and Google Maps** to spot animals and notify authorities of their location.