

Rishabh Tatia

Software Developer

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Objective

To obtain an entry-level software engineering/development position that will challenge me and allow me to utilize my past experiences and skills to mutually benefit both myself and my employer while allowing for future growth and advancement.

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 | • C++ | • Scheme |
| • Python | • PHP | • R |
| • Java | • MySQL | • Verilog |

Technologies

- | | | |
|-----------|-----------|----------|
| • Next.js | • Flask | • SQL |
| • React | • Django | • AWS |
| • Node.js | • MongoDB | • 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.