

# Tarun Rana

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## SUMMARY:

Software developer with one year of experience in Web development, I am enthusiastic about using my proven skills to excel as a software engineer. I have a strong ability and willingness to learn new technologies and am always looking for opportunities to expand my knowledge and skill set. I am confident that my experience and passion for software development make me a strong candidate for any software engineering role.

## EDUCATION:

### Master of Science in Computer Science

The University of Texas at Arlington, Texas, US

May 2023 (Expected)

GPA: 3.75/4.0

### Bachelor of Engineering in Computer Engineering

Pillai College of Engineering, Mumbai University, IN

August 2014 - May 2018

GPA: 3.5/4.0

## EXPERIENCE:

**Web Developer – Mindise Pvt Ltd.** Mumbai, India    April 2020 – May 2021

### Kings United, Aditi Tracking

- Worked closely with the client to generate a wireframe and initial prototype.
- Designed UI/UX (responsive website) using HTML5, JavaScript and CSS3 Media queries for the front-end site.
- Developed a Web Application utilizing Node.js API to develop backend architecture.
- Designed a Dashboard using Laravel so that admin can easily create, read, remove, or update users from the database.
- Implemented API authentication using the JWT package for providing a safe route for logged-in users.

(HTML5, CSS3, JavaScript, Node.js (Express))

## PROJECTS:

**Creator – CollegePlace.** Team Project, UTA    September 2022 – December 2022

- Lead team 5 through weekly meetings and presentations to structure the website and figure out the project's next steps.
- Learned React in 2 months and developed CollegePlace Website with React as front-end.
- Developed REST API using Laravel and stored data in PhpMyAdmin
- Website focused on adding students who can create their clubs, and blogs, and do real-time chat.
- Blog was developed using WordPress.

(React.js, Laravel (PHP), MySQL, WordPress, RESTful API)

**Creator – Full Stack Web App on Cloud with Caching.** Independent, UTA    June 2022 – August 2022

- Developed and deployed a Full Stack Web app with Flask as the back-end technology and HTML, CSS, and JavaScript as front-end technologies, deployed on Microsoft Azure unified with Azure SQL database services.
- The web app coped with collaborating diverse datasets and loading them into cloud database services for fetching miscellaneous queries specified by users.
- The queries were optimized with the Redis caching with a 68% hit ratio.

(Microsoft Azure Cloud services, SQL, Database, Caching, full-stack application, visualization)

**Creator – Transfer 2021.** Independent, UTA    January 2022 – May 2022

- Developed a web application using Twitter API. Where you can see the latest tweets of famous football (soccer) journalists.
- Taught me Python and implemented a framework Flask for developing the website. Used tweepy to collect the data from Twitter.
- Compared the transfer news with the other top 10 journalists and rated how likely the transfer will happen using Natural language processing.

(Tweepy, Twitter API, NLP)

## ACTIVITY AND CERTIFICATION:

- Node.js, Express, MongoDB: The Complete Bootcamp 2021 – Certification.
- React – The complete guide (incl. Hooks, React-Router, Redux) – Certification.
- Advanced CSS and SASS – Certification.
- Published a blog in which react hooks implementation was explained.
- Member of CSI (Computer Society of India) for Pillai Engineering College.