

Tarun Rana

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SUMMARY:

Enthusiastic Software Engineer with little over a year of professional experience in Web Development and a strong ability and willingness to learn new technologies to deliver better solutions.

EDUCATION:

Master of Science in Computer Science

The University of Texas at Arlington, Texas, US

May 2023

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.
- Premeditated a Dashboard using Node 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 a team of 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 could 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

- Created 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

- Built a web application using Twitter API, where you can see the latest tweets of famous sports (soccer) journalists.
- 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.