

Dhruv Rajesh Tadkal

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Portfolio | LinkedIn | Github

Education

- University of Texas at Arlington**, MS in Computer Science **Aug 2023 – Present**
- GPA: 3.7/4.0
- Nitte Meenakshi Institute of Technology**, BE in Computer Science **Aug 2019 – May 2023**
- GPA: 8.2/10.0

Experience

- Student Assistant**, Department of Electronic and Information Resources, UTA **Jan 2024 – June 2024**
- Evaluated over 150 pieces of electronic content to ensure accessibility for students and faculty at the University of Texas at Arlington. Completed more than 100 VPAT assessments within a 5-month period.
 - Handled over 200 service requests in ServiceNow, with a resolution time averaging 48 hours, and tested over 75 web pages using JAWS to ensure compatibility with WCAG standards.
- Web Developer Intern**, Finiteloop, Bengaluru **Aug 2022 – Oct 2022**
- Developed a 10-page website for a bird conservatory tool using HTML, CSS, and JavaScript. Completed the project within a 8-week timeline and ensuring cross-browser compatibility across 5 major web browsers.
 - Visualized data from a classification algorithm processing over 10,000 data points using GraphQL and PlotlyJS, enhancing data analysis speed by 25% and enabling real-time insights.
- Machine Learning Intern**, Eversoft Technologies, Bengaluru **Sep 2021 – Nov 2021**
- Developed a credit card fraud detection tool using a regression model, achieving 94% accuracy.

Projects

- A Communication System for the Incapacitated**
- Developed a computer vision and machine learning system enabling communication for individuals with quadriplegia through eye blinks, using a regression model which achieved 92% accuracy.
 - Presented at the 9th International Conference on Smart Computing and Communications (ICSCC) 2023 and published on IEEE.
- Lighthouse – A Full Stack Project**
- Developed a fully functional coffee shop website with a user-friendly UI, enabling online orders and reducing customer wait times, improving convenience for both customers and the owner.
 - Tools Used: HTML, CSS, JavaScript, PHP, AngularJS, MySQL

Skills

Languages: Python, C, C++, Java, R.

Web Technologies: HTML5, CSS3, JavaScript, PHP, Bootstrap, NodeJS, ReactJS, AngularJS, VueJS, Django.

Other Technologies: Docker, Flutter, GIT, Heroku, WCAG (Web Content Accessibility Guidelines), Adobe Photoshop, Adobe Premiere.

Database: MySQL, MongoDB, PostgreSQL, Firebase.