

Divyesh Chopparapu

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EDUCATION

The University of Texas at Dallas

Dallas, TX

Master of Science in Software Engineering

Aug 2023 - May 2025

- **Relevant Coursework:** Database Design, Advance Software Architecture and Design, Object-Oriented Software Engineering, Design and Analysis of Computer Algorithms, Advance Requirements Engineering, Software Testing Validating and Verification

SRM University

AP, India

Bachelor of Engineering (Hons.), in Computer Science

Aug 2019 - May 2023

- Member of SRM Photography club, Head of Udaya organization.
- **Relevant Coursework:** Data Structures and Algorithms, Statistics, Database Management Systems, Computer Networks, Cryptography, Machine Learning, Data Mining

SKILLS

Languages	Python, C/C++, Java, SQL, JavaScript, HTML/CSS, PHP, MERN Stack
Software/Tools	Git, GitHub, Docker, AWS, Linux, Shell (Bash/Zsh), MongoDB, Postman
Modules	Pandas, PyTorch, NumPy, Scikit-learn, Tableau, Microsoft Office, Jupyter, NumPy
Skills	Front-End and Back-End Development, REST-API, Machine Learning, Web Crawling, Kotlin

WORK EXPERIENCE

Shape AI

Hyderabad, India

Software Engineering Intern

June 2021-Sept 2021

- Utilizing the MERN Stack (MongoDB, Express.js, React, Node.js), developed a prototype for the BookMyShow website.
- Worked on a project to develop a design prototype similar to the food delivery app called as Zomato. The front-end of the website is designed using React.js, Node.js, and Javascript. The front-end is bridged with the database using Express.js and MongoDB.
- Designed a small-screen view and a large-screen view that help the user to open the website on computers and smartphones.
- **Technical Skills:** Python with PyTorch, MERN Stack, Database Management, CSS, HTML, Docker.
- **Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

PROJECTS

Neural Image Caption Generator

AP, India

SRM University

January 2022-May 2022

- Built a prototype image captioning architecture that generates a caption of the target description by utilizing Flickr8k dataset.
- Pre-processed the input image dataset which is fed to a pre-trained Convolutional Neural Network model VGG 16 for image encoding and implemented Long Short Term Memory(RNN Module) Architecture to produce the output text.
- **Technical Skills:** Python, PyTorch, MatPotLib, Scikit-learn, Tensorflow, Google Colab

Web Search Engine

Dallas, TX

The University of Texas at Dallas

August 2023-December 2023

- Designed and developed a robust web search engine, showcasing expertise in information retrieval, crawling, indexing.
- Engineered user-friendly interface with auto-suggestions and spell correction.
- **Technical Skills:** Python, React JS, Machine Learning, API Integration, Facade, GitHub

Breast Cancer Prediction

AP, India

SRM University

September 2021-October 2021

- Worked on a project to predict if a person has breast cancer and if he has, which type of cancer the patient has by taking RMI scans as inputs.
- The model was fine-tuned and achieved the test accuracy of 89%.
- **Technical Skills:** Python, PyTorch, MatPotLib, Scikit-learn, Tensorflow, Google Colab

Online E-voting System

AP, India

SRM University

Feb 2021-April 2021

- Developed a system where the users can cast votes securely and stored them in a central repository.
- Implemented a feature where the system returns the count of votes a person has achieved.
- **Technical Skills:** HTML, JavaScript, and CSS.

Blind People Navigation App

Dallas, TX

The University of Texas at Dallas

Ongoing

- Designed a navigation app tailored to the needs of the visually impaired, offering them accessible tools for safe and independent mobility.
- Incorporating both functional requirements and non-functional requirements like accessibility, Safety, reliability, and user-friendly.
- **Technical Skills:** Kotlin, JavaScript.