ATHARVA DESHPANDE

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EDUCATION

Master of Science, Computer Science | Drexel University   Jun 2021

Bachelor of Engineering, Computer Engineering | University of Mumbai   May 2019

SKILLS

Languages: Python, JavaScript, TypeScript, Java, HTML, CSS, C, SQL, Go
Frameworks: AngularJS, ReactJS, Bootstrap, Flask
Web Technologies: SCSS, Sass, Redux, jQuery
Software and Tools: NodeJS, ExpressJS, MongoDB, NoSQL, PostgreSQL, Git, AWS, Docker, Tkinter

WORK EXPERIENCE

WISE(Women's Islamic Initiative in Spirituality & Equality)   *New York City, USA*
Front End Developer   Sep 2020 – Dec 2020
- Maintained and updated the website using ReactJS, HTML and CSS for a more intuitive design which reduced the Customer Effort Score(CES) by 8%.
- Developed a responsive art gallery with the irregular placement of the art pieces for a modern-looking design in desktop view and a single file line in mobile view.
- Led the Search Engine Optimization (SEO) of the website by eliminating dead links and filtering the content which improved its Google search engine rank by 4 places making the homepage the top result.
- Modified the art gallery based on the feedback from freelance artists which increased the site visits by 25%.
- Designed a roadmap for the links in the website which helped a team of 10-15 members navigate the website.

Trivia Softwares   *Mumbai, India*
Python Developer   Jan 2019 – Apr 2019
- Evaluated experiments, extracted data, and constructed a Student Management System based on the collected data.
- Created a splash screen by scraping data from a quote website using a python package called 'BeautifulSoup4'.
- Produced an application for 'Student Management System' that met the business and user goals, increasing user satisfaction by automating the student data handling process.
- Maintained SQL scripts, indexes, and complex queries for analysis and extraction.

PROJECTS

Jobs API - NodeJS, ExpressJS, MongoDB, JavaScript   Feb 2022 - Present
- Developed a server-side application that handles RESTful API services on a job entity using NodeJS, ExpressJS, and MongoDB.
- Users can create an account and log in with JWT authorization to retrieve all jobs related to the user.
- Added custom error handling with specific error messages and added security packages to enhance user experience.

Employee Management API - AngularJS, HTML, CSS, TypeScript   Jan 2022 - Feb 2022
- Engineered a frontend using the AngularJS framework on an employment management service.
- Established a local server with Angular Web API package to collect the data, and utilized observables to perform RESTful API services on the data.

Loan Prediction System - HTML, JavaScript, Bootstrap, Python Flask, SQLite, Python   Jan 2020 - Mar 2020
- Collaborated to build a web-based loan prediction system using Python which was trained and tested with 918 total loan instances and applied various machine learning classification algorithms to check the eligibility of the customer for a loan.
- Implemented various algorithms like Logistic Regression, Naïve Bayes, Decision Tree, Random Forest, and Support Vector Machine alongside 3 team members and selected the algorithm which yielded the maximum accuracy.
- Created a streamlined module to input data from a user in a form, stored the data in a database in SQLite, and used the data to predict whether a user is likely to get a loan, with an accuracy of 80.61%.

Ecommerce Website - ReactJS, HTML, CSS, JavaScript, Bootstrap   Dec 2019 - Apr 2020
- Built a responsive frontend for the website using the ReactJS framework on a phone store.
- Implemented a fully functional cart with options to increase/decrease the quantity in the cart, remove an item, clear the cart with a responsive cart receipt.

PROFESSIONAL AFFILIATIONS

Computer Science Institute of Electrical and Electronics Engineers (IEEE)   Nov 2019 – Present
Drexel University Institute of Electrical and Electronics Engineers Graduate Forum (DIG)   Dec 2019 – Present