

Supreeth Tamvada

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EDUCATION

The University of Texas at Arlington
Master of Science - Computer Science

Aug 2018 – May 2020

- Relevant courses: Software Engineering, Cloud Computing, Data Structures and Algorithms, Distributed Systems, AI

SRM University, India
Bachelor of Technology - Computer Science

July 2014 – May 2018

SKILLS

Languages: Python, JavaScript, Java, HTML, CSS, SQL

Databases: MySQL, MongoDB, SQL Server, AWS RDS, AWS S3

Frameworks: Flask, React, Express, Node.js, D3.js, REST, Bootstrap, Git, jQuery, pandas, scikit-learn

Cloud Computing: AWS: EC2, ELB, Cloud watch, Redis, Lambda; Firebase

WORK EXPERIENCE

Web Developer, The University of Texas at Arlington – University Advancement

June 2019 – Present

Technologies: *HTML, CSS, JavaScript, Bootstrap, Sitecore, Python, MySQL*

- Developed a responsive and intuitive website using HTML, CSS, JavaScript and Bootstrap on Sitecore (CMS)
- Built optimized, cross-browser compatible webpages to reduce redundancy by 35% following Agile principles
- Developed Python scripts to scrap user input data and store them in MySQL database
- Collaborated with 10+ university departments to discuss web page content and design concepts

Student Assistant, The University of Texas at Arlington- Music

Feb 2019 – Aug 2019

Technologies: *HTML, CSS, jQuery, AJAX, Cascade (CMS)*

- Revamped entire website using HTML, CSS on Cascade
- Improved website load time by 32% by implementing jQuery and AJAX
- Increased 87% growth in audience on Instagram and Facebook through social media campaigns
- Followed SEO optimization techniques and data insights from Google analytics to increase web site traffic by ~45%

PROJECTS

Netflix Clone App

- Developed a Netflix clone application using *React*
- Designed responsive and mobile friendly web pages using *JavaScript, React, CSS*
- Implemented *React Hooks, Axios* that send requests to *TMBD API, Movie Trailer API*

Earthquake Data Analysis App

- Authored an *AWS* cloud native *Python flask* app
- Utilized *Git* version control to update the project on *GitHub* and modify errors during the SDLC
- Executed *k-means* clustering on data set and visualized the results using *D3.js*

Auto-scalable Python Flask App

- Developed a *Python Flask* web application and deployed it on *AWS cloud*
- Monitored load using *Jmeter* and automatically scaled it using an *Elastic Load-balancer*
- Observed resources on *Cloud watch* and implemented alarms that reduced incurred service costs by 15%

AI Driven Use Case Derivation Tool

- Developed a *Java* application in *MVC* architecture to automate software designing using *Agile* practices
- Determined use cases from client requirements using *NLP* scripts and *UML* diagrams
- Attained 91% accuracy by implementing a *Support Vector Machine Learning* model

Abnormal Human Activity Detection and Alert using CCTV

- Developed an image recognition app using *Python, OpenCV, Machine learning*
- Integrated various *RESTful APIs* to improve the performance by 20%
- Achieved 80% accuracy by using *Support Vector Machine* Algorithm

ACHIEVEMENTS

- Achieved two Guinness World Records in Taekwondo for most full contact kicks (106,411) and largest Taekwondo display
- Achieved a Guinness World Record in Indian Classical Music for largest Classical Music choir consisting of 1,00,000 people