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SUMOD BADCHHAPE

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EDUCATION

Kingsville, TX	**Texas A&M University**	**August 2018 – May 2020**
Master of Science in Computer Science		**GPA – 3.88**

Graduate Coursework: Computer Comm Networks; Operating Systems; Compiler Design; Mobile App Programming; Software Engineering; Database Systems; Real Time Systems; Programming Languages

Mumbai, MH, India	**University of Mumbai**	**July 2014 – June 2018**
Bachelor of Engineering in Computer Engineering		GPA – 3.02

Undergraduate Coursework: **Distributed Databases**; Analysis of Algorithms; Discrete Structures; Data Structures; Cloud Computing; System Design; Computer Graphics; Artificial Intelligence; Machine Learning

SKILLS

- **Java**; HTML5; CSS3; JavaScript; **Python**; SQL; MongoDB; React.js; Redux; Node.js; **Git**;
- Microservices; Eclipse; Visual Studio; MS Office; Google Cloud Platform; REST; Android studio

TECHNICAL EXPERIENCE

Machine Learning Thesis: Prediction of The Apply Rate of Job Postings Based on The Job Characteristics
- Analyzed the dataset of characteristics of various job postings and predicted the apply rate of a job posting based on query score, title score, city score, and job posting age with a classification accuracy of 91%.
- Implemented and compared three machine learning classifiers viz. Random forest, Decision Tree, and KNN for prediction of apply rate. Improved the classification accuracy of the Random forest classifier by 3%.

Utilized: Django, Python 3.7, Scikit-learn, Kaggle, Anaconda, NumPy, pandas.

Projects

- **Crown Clothing** (June 2020). Developed a full stack react, redux and firebase e-commerce clothing website integrated with Stripe API for processing payments Utilized: React, Redux, Firebase
- **Check Clearing Machine** (August 2017 – May 2018). Developed a desktop application that reduced the time taken by traditional CTS (Check Truncation System) for depositing checks into a customer's account. Applied K-means algorithm to perform OCR and evaluate check parameters such as customer name, check no, amount, etc. Utilized: **C#.NET**, **WPF**, OracleDB, Python, OpenCV2, Visual Studio.
- **AcceloMouse** (March 2017). An android application that provides mouse functionality to laptop through an android device. Utilized: Java, Android Studio, Java Robot class, Multithreading.
- **Farming Assistance Web Service** (August 2016). A full stack web application that helps farmers to find dealers to sell crops, buying supplies. Utilized: HTML, CSS, JavaScript, Bootstrap, Php, Apache Tomcat

EMPLOYMENT

Teaching Assistant	**Texas A&M University**	**January 2020 – May 2020**

- Performed academic tutoring in Physics 1101, and Physics 0325 courses.
- Provided assistance to students in laboratory exercises and laboratory experiments.
- Assisted professors, wrote weekly quizzes, graded quizzes, and lab reports using excel.

Full Stack Developer, Intern	**ScriptChain**	**August 2019 – December 2019**

- Acquired Google cloud credits worth of 100,000$ for the ScriptChain platform.
- Followed MVC architecture, and developed front-end in Angular 7, backend in Express.js for the patient portal, health care professional portal. Implemented security for the ScriptChain web application with helmet.
- Hosted ScriptChain web application on Google cloud. Implemented charts for the patient portal with chart.js

CERTIFICATIONS

Problem Solving	Information Security & Quality Assurance	JavaScript Algorithms & Data Structures	Master Computer Vision with OpenCV3