Sreevikram Chandrasekhar

vikramchandra97@gmail.com | (408) 333 5610 |LinkedIn | GitHub |Awards |

Education

Santa Clara University, Santa Clara, California *(Graduated with Great Distinction)* **09/2021 – 06/2023**
Master of Science in Computer Science and Engineering, GPA: 3.71/4.00

BMS College of Engineering, Bangalore, India *(Graduated with Highest Distinction)* **08/2015 – 06/2019**
Bachelor of Engineering in Electronics and Communication Engineering, GPA: 3.96/4.00

Skills & Coursework

Skills: Java, Python, C/C++, Linux, Unix, HTML, CSS, JavaScript, React.js, SQL, MySQL, NoSQL, Amazon Web Services (AWS), Kubernetes, Docker, Spring Framework, Qt Framework, JSON, REST API's, Postman, SVN, Git, MATLAB
Coursework: Cloud Computing, Machine Learning, Design & Analysis of Algorithms, Object Oriented Analysis Design & Programming, Abstract Data Types & Structures, Operating Systems, Computer Architecture, Computer Networks, Agile Methodologies, SDLC, CI/CD

Professional Experience

Full Stack Developer – Accenture, India **06/2019 – 06/2020**

- Developed and supported applications for a Pharmaceutical Client in USA and Japan, enabling scientists in the development and discovery of life-saving drugs. Explored the integration of Web-Applications & Software Systems with Pharmaceutical tools
- Successfully worked on code enhancements, improving the performance benchmarks of existing software platforms by facilitating a 12% decrease in simulation run-time
- Conducted Server Maintenance procedures to ensure smooth functioning of the supported applications
- Designed and implemented database batch jobs allowing data flow between the 200+ applications, drastically improving the client experience
- Tested software troubleshooting methods, devised innovative solutions and documented resolutions for inclusion in knowledge base for support team use while fulfilling the SLA at 100%

Software Development Intern – Hindustan Aeronautics Limited, India **07/2018**

- Designed and implemented an avionics system that measured, recorded and transmitted the flight control surface parameters
- The Rudder Deflection angle was of primary interest and was tracked with an accuracy of 98%

Academic Projects

Cloud Based Loan Default Prediction Model – Cloud Engineer **01/2023 – 03/2023**

- Developed and trained a highly accurate Machine Learning Model using XGBoost Regression to predict loan defaulting with an accuracy rate of 95%
- Implemented the machine learning model on AWS using various components including Amplify, API Gateway, Cognito, S3, Lambda and SageMaker, resulting in a seamless and efficient application deployment process
- Collaborated in a team of 4 as the lead responsible for model building and AWS integration, ensuring successful teamwork while meeting project deadlines

Airline Passenger Satisfaction Prediction Model – Machine Learning Engineer **01/2023 – 03/2023**

- Implemented and refined a Machine Learning Model utilizing Logistic Regression, Decision Tree, Bagging and Random Forest models to accurately predict passenger satisfaction with an average accuracy rate of 85%
- Identified and prioritized key parameters influencing passenger satisfaction through a thorough analysis of the machine learning model outputs, leading to improved decision-making processes within the organization
- Collaborated in a team of 2 to successfully develop and evaluate the machine learning model, ensuring the highest level of accuracy and efficiency in predicting passenger satisfaction

Employee Management System – Full-Stack Developer **01/2022 – 03/2022**

- Developed a scalable full-stack application that streamlined employee details and payroll system, resulting in a reduction in administrative time and generating accurate pay slips for over 500 employees
- Collaborated in a team of 3 to successfully develop the back-end Java system, integrating with the database and front-end interface, resulting in a seamless user experience

Positioning System for Visually Impaired People (Top 12 projects in the college) – Software Developer **01/2019 – 05/2019**

- Developed and implemented algorithms to accurately track the position of visually impaired individuals within the controlled space, resulting in a 95% success rate in providing real-time location information using the Arduino Microcontroller