

VENKATA SAI MADHAV KAZA

Mount Pleasant, MI

Contact: 3134388709 | Email: kvsaimadhav@gmail.com | [LinkedIn](#) | [GitHub](#) | [Website](#)

ACHIEVEMENTS AND CERTIFICATIONS

- Learning AWS Certified Developer Associate (DVA-C01)
- Graduate Scholarship at Central Michigan University in August 2020 – August 2021
- BITS Pilani Merit-Cum Need Scholarship in August 2014 – May 2018
- INSPIRE Scholarship in August 2014 – May 2018
- PRIME MINISTER Scholarship in August 2014 – May 2018

TECHNICAL SKILLS

CORE SKILLS

React with Redux, Thunk, Saga, SSR, GraphQL (Apollo 1/2/3) Client/Server, JavaScript, Full Stack Development, Jest/Enzyme, HTML, CSS3 (SCSS, Material UI, Bootstrap)

SECONDARY SKILLS

AWS (API G, Lambda, Cognito), CI/CD, Jenkins, SpringBoot, MongoDB, NoSQL, SQL, Postgres, Sequelize, Mongoose, DB2, Spring Boot, Spring, Custom API Development, Microservices design and Implementation, Serverless Computing, SEO – Algorithm Knowledge

EDUCATION

Central Michigan University | Master of Science in Computer Science | Mt Pleasant, MI, US

January 2020 – August 2021

GPA: 3.92

BITS Pilani | Bachelor of Engineering in ECE | Hyderabad, TS, INDIA

August 2014 – May 2018

GPA: 3.0 (WES Converted)

EXPERIENCE

Graduate Assistant | Central Michigan University | Mt Pleasant, MI | Aug 2020 – Aug 2021

- Improved 5% performance of students by organizing content of courses such as Principles of Computer Programming and Data Structures & Algorithms
- Conducted Information Sessions for 100 Undergraduate Students of Department of Computer Science
- Graded Homework, Labs and Quizzes for 100 Undergraduate Students

TECH STACK: Java, Data Structures, Algorithms

Design and Verification Engineer | Analog Devices Inc. | Bangalore, India | July 2017 – Dec 2017

- Designed Algorithm for the working of BLAST device on the OTOSense Cloud Network using Jenkins
- Achieved an output of 115200 BAUD for a throughput of 543.57 Kbps for a stability of 20 hours
- Worked simultaneously in both production and development teams and took part in designing and developing dynamic web pages using HTML, CSS3, Bootstrap, SASS, Javascript, jQuery, React for single page applications
- Worked with AWS (Amazon Web Services) Elastic Beanstalk like EC2, SQS, S3, ElasticSearch and Elastic Load balancer
- Implemented a Continuous Delivery Pipeline with Jenkins and GitHub

TECH STACK: HTML, CSS, Bootstrap, JavaScript, React, Redux, Redux Thunk, Node.js, MongoDB, Postman

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PROJECTS

Portfolio | [Website](#) | January 2020 – Present

- Designed a portfolio based on Front-End Technologies and deployed on GitHub based on Back-End Technology
 - Used HTML, CSS, Javascript on Front-End and Django, Java on Back-End
- TECH STACK:** HTML, CSS, Javascript, Git

Web Application for COVID-19 Cases Prediction using Prophet | [GitHub](#) | January 2021 – May 2021

- Build a website on COVID-19 cases prediction using prophet algorithm with UI based on HTML, CSS, Javascript on front-end and Django in back-end
 - Achieved an accuracy of 95% + for 80% test split data from the dataset downloaded from Covid-Tracking Project conducted by US Officials
- TECH STACK:** HTML, CSS, JavaScript, Prophet (Machine Learning), Django, Python, Git

Credit Card Fraud Detection using AWS Sagemaker and S3 | [GitHub](#) | January 2021 – May 2021

- Developed an algorithm for Credit Card Fraud Detection using Naïve Bayes and Random Forest approaches
 - The imbalanced dataset is made balanced by randomly choosing the 50-50 split of data from given fraud cases versus genuine transaction
 - The Naïve Bayes resulted in 90.46% accuracy for the split test data of 60%
 - The Random Forest resulted in 99% accuracy for the overall imbalanced dataset
- TECH STACK:** AWS Sagemaker, S3, Python, Machine Learning Algorithms, Git

Web Application for Client Puzzles for resolution of flooding attack | [GitHub](#) | Aug 2020 – Nov 2020

- Built a website for generation of client puzzles to increase the accuracy for resolution of DDOS attack from 85 percent to 91 percent
 - Designed website consists of Naive-Bayes Algorithm for detecting the accuracy with 85%
 - Developed the application with an extra layer of security to get the DDOS prediction from the IP by 6 percent increase by eliminating the False Negative Rates
- TECH STACK:** HTML, CSS, JavaScript, Naïve Bayes, Django, Python, Git