

SAI SANATH KRISHNAPPAGARI

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SUMMARY OF QUALIFICATIONS

A passionate Microsoft Certified Software Developer with 3 years of industry experience. Proficient at Data Structures and Algorithms, Cloud Infrastructure and Computer Networks to build scalable systems. Often recognized as a competent programmer, skilled at troubleshooting and coordinating across teams for fast-paced delivery. Currently pursuing a Master's degree in Computer Science, focusing on Machine Learning and Scalable Systems.

EDUCATION

Master's in Computer Science, Virginia Tech.

AUG 2021-MAY 2023

Bachelor's in Electronics and Communication Engineering, Visvesvaraya Technological University. AUG 2014-JUN 2018

RELEVANT COURSEWORK

Data Structures & Algorithms, DBMS, Data Analytics, Python, Java, OS, Networks, Object Oriented Programming.

TECHNICAL SKILLS

Languages & Frameworks: Python, Java, HTML5, CSS, JavaScript, PowerShell, React JS, Node JS, Express JS, Flask.

Databases: MySQL, SQL, MongoDB, Firebase.

Data: Statistical analysis, Data mining (ML) algorithms (Regression, Classification).

Tools & Technologies: Azure, ServiceNow, Azure DevOps, Docker, Kubernetes, Git, Visual Studio, Ansible, Eclipse.

EXPERIENCE

Senior Systems Engineer, Infosys Limited

DEC 2018-JUL 2021

- Designed and Developed Azure Server Deployment Automation Modules using Azure DevOps Pipelines with ARM and YAML templates. Optimized the deployment module to deploy workloads **3x faster** by implementing Parallel programming.
- Built multiple Azure DevOps Pipelines and Runbooks to automate everyday operations and deployments to the cloud by collaborating with teams across tiers and handled task management optimally using Azure DevOps.
- Led a team to design and develop Server Auto Shutdown and Start modules to optimize costs by keeping servers down during off-hours. Also, managed daily meetings with the client team.
- Implemented ASR by Lift & Shift to migrate critical production and non-production applications to Azure.
- Initiated and developed a script to Tag all resources across the infrastructure to monitor costs based on application and resource type.

Systems Engineer Trainee, Infosys Limited

JUL 2018-DEC 2018

- Developed an e-commerce online shopping website on MERN stack. Used Git for version control and best practices for handling pre-commit hooks.
- Received training in Full Stack Web Application development on MERN Stack along with Python, OOPs and DBMS.

PROJECTS

Forecasting models for predicting Airbnb prices in Python

- Built, Processed and cleaned Airbnb dataset to discover insights behind data. Implemented data mining algorithms like SGD, SVM, Linear regression, KNN, Lasso & Ridge models. Predicted Airbnb prices with accuracy rate of 84% using SVM with RBF kernel regression model on data.

Real Estate Price Prediction using Dataset from Kaggle

- Implemented and deployed a House Price Prediction model on AWS utilizing Python, Pickle, Flask and Nginx to find out an estimated price by providing information such as area, number of bedrooms etc.

WhatsApp Clone

- Developed a web application like WhatsApp. Implemented it by using React and Firebase primarily along with Google Authentication [[GitHub Link](#)].

CERTIFICATIONS

- Microsoft Certified Azure Developer Associate [[Certificate](#)].
- Machine Learning by Andrew Ng offered by Stanford University on Coursera. Grade: 97.25% [[Certificate](#)].
- Deep Learning A-Z: Hands on Artificial Neural Networks by Kirill Eremenko on Udemy [[Certificate](#)].