JONNALAGADDA VENKATA SATHYA KRISHNA

37-1-159/49 Islampet 4th line, Ongole, Andhra Pradesh

📱 7997615656 ✉ jvsathyakrishna18bcs@iiitkottayam.ac.in 🔗 Sathya Krishna ⊙ GitHub

Education

Indian Institute of Information Technology, Kottayam   **August 2018 – April 2022**
Bachelor of Technology in Computer Science, CGPA - 9.42   *Kottayam, Kerala*

Experience

Tekion   **June 2022 - Present**
Software Engineer - I — Golang, Python, AWS, Docker, Redis   *Bangalore, Karnataka*
- Contributed in building and maintaining **Restful Webservies** using **Golang** for front line interaction. Actively used **goroutines, channels, gomock** to craft efficient and easily testable code.
- Implemented the vin decoding which reduced api **turnaround time and api cost by 50**%
- Engaged with the **pub/sub models like MQTT** for IoT product interaction and Kafka for interservice communication
- Introduced **Redis** pipelining to a critical user role service, leading to a decreased role refresh time. This resulted in a reduction of frequent service loads, consequently lowering the number of required service instances.
- Played a pivotal role in migrating essential features to **AWS Lambda**, leveraging serverless architecture to improve overall system efficiency.

IBM   **January 2022 – June 2022**
Software Engineer Intern — Kubernetes   *Kochi, Kerala*
- Working in the Congo's team with the Kubernetes and Docker technologies.
- Worked on the python automation scripts to send the health reports of each clusters.

Microsoft   **November 2021 – November 2021**
Full Stack Developer- Engage Mentee — Docker, MySQl, Heroku, AWS   *Hyderabad, Andhra Pradesh*
- Engage mentorship program for engineering students by Microsoft. Through this initiative, student get a chance to be mentored by Microsoft and be part of AMA sessions, webinars.
- Working with Microsoft employees and building a university related website, where I build a Student welfare Portal. For building this website, I used Django and SQL. For hosting the website I had used Heroku and Postgres.

  GitHub WebSite

UST Global   **May 2021 – August 2021**
Data Science Intern — NLP, Machine Learning, RNN, Google Cloud Platform   *Kochi, Kerala*
- Created Chat bot with the help of Google Dialog Flow and reseach on recommendation system.
- Creation of Chat bot with Seq2Seq Model and using some advanced concepts of BERT and GPT

Projects

Finding High Utility Itemset Using Federated Learning | *Python, Data Mining*   **January 2022**
- High utility itemset is a set of value that appears in a database and has a high importance to the user.
- Used Federated Learning we don't need the centralized data, but centralized model will be created by training the individual data.
- Model was build using the Flower Framework and achieved an accuracy of 9.5

Scratch Card Generator | *Python, Django, Heroku, AWS*   **October 2021**
- This project is developer for Subhamasthu Shopping Mall
- They are planning to issue Coupons on purchase of 999 rs, from the coupon they will get rewarded.
- Website was Deployed it on Heroku on daily active users with 500+ members and Daily 3500+ created.
- GitHub Website

Online Voting System | *PHP, MySQL*   **October 2020**
- Purpose of this project for conducting the college club election.
- Used PHP to create a back-end Service and MYSQL for the Database.
- It's a team project with group of 5 my role in the project was working with the back-end technologies and Database architecture .

Technical Skills

Languages: Golang,Python,Mongodb, SQL, Java
Developer Tools: AWS, New Relic, Elastic Search, VS Code, Eclipse,
Technologies/Frameworks:Gin,Django, Linux, NLP, GitHub, Docker.