KAILASH SUNDARAMURTHY

Software Developer

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Portfolio: <u>My-Portfolio</u>

CAREER SUMMARY:

A passionate and hardworking Developer with around 1 year of IT experience with critical logical thinking and best architectural designing technique. I have hands on experience in AI/ML field, having practical knowledge in Python, Pandas, NumPy, Scikit-learn, and DL models & frameworks like TensorFlow and Keras and .NET, MSSQL, GO, MongoDB and Services (Agents), MSI packages.

KEY SKILL SETS:

- Machine Learning
- MVC APP / WEB API / REST API
- DOTNET - ADO.NET
- C# / PYTHON / GO
- GIT
- Cloudflare

- SQL - MSSQL / NOSQL - MongoDB
- Docker / Jenkins
- Agents - WinOS Services/Task Scheduler
- Microsoft Azure - Services/API's
- AWS - App Runner/Route 53 / ECR
- Terraform

AREA OF INTEREST:

- Machine Learning
- Data Science
- Backend - Server Side / DB
- CI/CD
- MLOps

WORK EXPERIENCE:

Anunta Technology Management Services

Software Developer Trainee | 17 August, 2023 - 16 December, 2024 | 1.5 Years

Email To Incident - Modern Authentication

- Worked as an lead developer, used Azure AD for OAuth modern authentication.
- Developed Agent to retrieve Email from outlook to converting it to an incident based on the critical level of the problem.
- Used .NET for Agent (Windows Service dev, ADO .NET and MSSQL for Web APP.

Auto Agent Upgrade

- Architected and developed a self upgrading service with a continuous deployment (CD). A windows service that upgrades itself when an update is available.
- Worked on entire product development cycle right from PRD development to product deployment. Proficient with .NET, GO, MSSQL, MongoDB.
- Lead Developer in Agent (Service) development, modern authentication Email to incident. Worked on developing WEB API's and REST API's.
- Worked on solving Vulnerability Assessment & Penetration Testing (VAPT) issues on the product.
- Managing the data pipeline of a product and developed an automated monitoring service.

RELEVANT PROJECTS:

Sentimental analysis through speech recognition :
- The project is all about applying sentimental analysis on the speeh of a person.
- The words that is spoken will be extracted and subjected to Sentimental analysis through the NLP module named Vadersentiment.
- Then the reply will be accounted for the future use. This application can be used in Hotel reviews, social media and also in project related reviviews.

Youtube to text summarization and podcast generation :
- The project is developed for the academic purpose and the base use of this application is to summarize the content from the youtube video and produce it in both text format (.txt) and Audio format (.WAV)
- For extracting the audio from the video we have used GPT - 3 OpenAI module called Whisper. and for summarizing we have use NLTK summarizer and for audio podcast generation we have used (GTTS)

Drug safety and disease break down analysis using dynamic QR code

- This project ensures the safety of consumer of the drug products from pharmaceuticals We have specifically used dynamic QR code for tracting the user location from where the drug is purchaced.
- The Dynamic QR code contains all the information about the drug from manudacturing to expire date and many more. The informations are displayed in a .pdf format to the user while scanning the dynamic QR code.
- We have created an end to end web app where all the data is stored in the cloud (FIrestore). By tracking the location of the user, the disease breakdown can be identified much more faster.

EDUCATION:

UG - KCG COLLEGE OF TECHNOLOGY – HINDUSTAN
GROUP MAJOR – B. Tech in Artificial Intelligence And Data Science
2020 – 2024
CGPA – 9.20

HSC – NELLAI NADAR METRIC HR SCHOOL
2019 – 2020
PERCENTAGE – 75.5

OPEN SOURCE CONTRIBUTION

Mapathon - FOSSEE - 2023
- It is an open source contribution where the research scholars and grads can contribute to Indian government collaboration with IIT Bombay.
- The work was mostly on developing maps based on various analysis of data provided by ISRO and open source data I have specifically made analysis on Tamil Nadu state on various water bodies and pollutant analysis.

CERTIFICATION

- Deep learning for Business (Yonsei University Coursera)
- Data Bricks fundamentals badge
- AWS cloud 101 batch