Karthick

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EDUCATION

NIT-TRICHY
B.Tech in Computer Science and Engineering
Graduated. May 2021
CGPA: 8.99/10.0

LINKS

Github:// **karthick191999**
LinkedIn:// **karthick**
Leetcode:// **santa_claus**

COURSEWORK

UNDERGRADUATE
Data Structures and Algorithms
Operating Systems
Combinatorics and Graph Theory
Data Communication and Networking
Database Management System
Data Warehouse and Data Mining
Machine Learning
Data Science
Principles of Compiler Design
Principles of Cryptography
Artificial Intelligence and Expert Systems
Discrete Mathematics

SKILLS

PROGRAMMING LANGUAGES
C • C++ • Java • Python
FAMILIAR
• Terraform • Javascript• Shell Scripting• React• Pandas• SpringBoot • MongoDB • Android • MySQL • Linux
OTHER TOOLS
• Vim • Git • Github • Android Studio • InfluxDB • Grafana

CERTIFICATIONS

• Android App Components – Intents, Activities and Broadcast Receivers (Vanderbilt University, USA)

EXPERIENCE

GOLDMAN SACHS |Analyst (Software and Technology Analyst)
July 2021 - Present| Bangalore, India
- Working with Automation and Tools development team based globally primarily with **Springboot and React**.
- Migrated and provisioned infrastructure for all of our tooling services using Terraform, helped in scaling and expanding the deployment of our services/tools from 1 to 3 different regions.
- Currently responsible for the design and implementation of the order tracing tool, which reduces the order tracing time of the front desk from 5 mins to 15 sec – a **95%** decrease. The work here involved communication between different cross functional teams and compliance.
- Also responsible for designing and enhancing **Monitoring and Alerting system** for electronic trading platform.Beyond simple threshold-comparisons, system can alert based on trends and intelligently conflates related alerts to reduce noise. Added 5 new alerters, to increase the alert coverage globally.

GOLDMAN SACHS | Summer Analyst (Technology Analyst)
May 2020 – June 2020 | Bangalore, India
- Worked on the SRE team in primarily Perl and Python to plan, design and push time series data into **InfluxDB** and visualize the time series data using Grafana, which was used by the stakeholders.
- Achieved a **5x** decrement in user analysis time where more than **10,000** queries and Log data of time series data were pushed per day into InfluxDB using REST API's.
- Automated and built a dynamic dashboard in **Grafana** to visualise the same.

PROJECTS

TRANSLATE ON THE GO APP | JUL'20 | **LINK**
OCR | Google Vision API | Volley | TextToSpeech API | Web API
- An OCR translation app that captures English text using phone camera and translates to an Tamil, Italian language and provides audio for the translation as well.
- Used Google Vision API to recognise the text from the image that is to be translated.
- Translation was done using a web API and responses were obtained using Volley, and TextToSpeech API was used to convert the translation into speech.

MUSIC-MATCH APP | MAY'18 | **LINK**
MUSIC-MATCH API | RETROFIT | SQLITE DATABASE
- A simple app which shows the user the top tracks and top artists of a given country or globally.
- The user can pick any artist or track in order to get the details about them, the user can select their favorite artists and tracks whose details will be stored locally in a local database.
- Used Music-Match API and Retrofit library to get the details dynamically from the internet and SQLite Database to store the details of the favorite tracks and artists.

TO DO LIST APP | MAY'18 | **LINK**
SQLITE DATABASE | ALARM MANAGER | BROADCAST RECEIVER
- A simple to do app ,where the user enters tasks to finish along with the deadlines for all those tasks.
- The app gives notifications to the users if the tasks are not completed within the set deadlines,used SQLite Database, Alarm Manager and Broadcast receiver to achieve the same.