ABHIJITH SELVAKUMAR

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SKILLS

- SQL, NoSQL, Python, Flask, Data structure and algorithms
- AWS Lambda, API Gateway, CloudWatch, Amazon SES, Amazon SNS, Amazon SQS, AWS DynamoDB
- PostgreSQL, MongoDB, MySQL, PowerBI, Hasura

EXPERIENCE

Software Developer   **FUTURYZE DIGITAL LLP**   **JUL 2020 - PRESENT**

- Took part as a project manager handling 8 interns.
- Managing priorities among concurrent projects and perform enhancement for existing services.
- Communicating with clients and handling their requirements.

IOT DEVICE ORCHESTRATION:

- Took ownership of developing, testing and deploying a precision irrigation automation and orchestration system. (**Python**)
- Serverless orchestration of IOT devices. (**AWS Lambda, CloudWatch and API Gateway**)
- Built a system to efficiently archive high traffic data for further analytics. **(Azure Blob, Python)**

SERVERLESS REST API IMPLEMENTATION:

- Developed serverless backend. (**API Gateway, AWS Lambda, Hasura**)
- Designed automatic templated E-mail and SMS notifications. (**Amazon SES, Amazon SNS**)

SYSTEM INTEGRATION AND DATA ENGINEERING:

- Wrote web scrapping scripts for collecting and storing large amount of real time data in PostgreSQL.
- Built a data integration pipeline between CRM and multiple data sources. (**AWS Lambda, Hasura)**

Data engineer, Intern   **AJIRA TECH**   **JUN 2020 - JUL 2020**

- Defined product solution and concept, analyse technical requirements to meet business requirements with high-speed delivery.
- Built a Multi-armed Bandit (RL) engine to choose messages based on rewards.
- DB modelling using SQL(PostgreSQL) and built a REST API for service calls using Flask.

ACHIEVEMENTS & PROJECTS

- 1st out of 178 teams in **National case study** competition by **SPJIMR (ASPIRE)**,
  Proposing a winning model focusing on customer satisfaction for an e-commerce website considering the demand, supply chain, target customers and several other datasets.
  https://drive.google.com/drive/folders/1K-lezvqlSeF-fcVqfGBrIxBkiPvzkeON?usp=sharing

- 1st place for pitching a business model for household waste management and environmental sustainability at SPJIMR, Mumbai
- 1st in Intra college 'BEST SPEAKER' competition
- 1st in 'QUEEN'S ENGLISH' competition
- 1st in 'MODULO MANAGEMENT' a business solutions competition conducted by Anna University
- 2nd in south zone in the National English Olympiad
- Head coordinator of the International conference 'ICBSII 2020'
- Heart Disease Prediction (DEC 2019- MAR 2020)
  Identifying different classes of Arrhythmia from ECG waveforms using Dense CNN algorithm for a preliminary inspection of the heart.

EDUCATION

- B.E in Biomedical Engineering, SSN college of engineering, May 2021, CGPA: 7.65(7 semesters)
- Grade 12 – Don Bosco Matriculation higher Secondary School, March 2017, 94.4%
- Grade 10 - Don Bosco Matriculation higher Secondary School, April 2015, 94.6%