Viggnah Selvaraj

972594580V
viggnahselvaraj@hotmail.com
+94-773671128
No. 224/1, Pickerings Rd, Colombo 13
/viggnah

✧ Job Objective

Meaningful work with cheerful people. Write clean code.

🎓 Education

B.Tech in Computer Science and Engineering
National Institute of Technology, Calicut (NITC), India

2015 – 2019
CGPA: 8.33/10.0

Edexcel GCE Advanced Level
Stafford International School, Colombo, Sri Lanka

2013 – 2015
Grades: 4A*

Edexcel GCE Ordinary Level
Stafford International School, Colombo, Sri Lanka

2011 – 2013
Grades: 8A* & 1A

📊 Experience

Deutsche Bank
Analyst/Developer

Oct 2019 – Dec 2021
Pune, India

Projects

> Json schema to relational schema converter
> Migrated Informatica based data flow to Spark
> Onboarded two separate data flows for regulatory reporting purposes

Responsibilities

> Development in Java and Spark to ensure data delivery for regulatory reporting purposes
> Handled requirements with business analysts and managed stakeholders on a continuous basis
> Mentored and guided new graduates on best practices to work on projects
> Followed agile (scrum framework)

Achievements

> Optimised data processing in Spark to improve delivery time by 60% to 80% on two separate flows
> Improved unit test coverage for all the code I worked on
> Learnt business aspect to better understand the data we were processing

🧪 Projects

Natural and Emotional Linguistic Text to Speech Synthesis

> Final year project. Won TCS Best Project Award for best final year project. Published as an IEEE white paper.
> The two–part system synthesizes emotional and natural voice from unstructured text.
> The first part extracts emotions out of text using text mining and LSTMs.
> The model was flexible to obtain high accuracy over multiple datasets.
> The second part identifies the key features of speech and modifies those attributes in neutral speech to give it an emotional and human–like sound.

> To identify these exclusive features an SER (Speech Emotion Recognition) model was also built.

szyrics

> A Rhythmbox (music player) plugin with a simple and beautiful GUI to display synchronized lyrics in full screen or in the sidebar.
> Built using Python and GTK toolkit.
> Learnt most of the aspects by reading and figuring out from the official documentation due to lack of resources.

★ Technical Skills

Programming Languages Python, C, C++, Java, SQL

Technologies/Practices Test-Driven Development, Apache Spark, Apache Camel, Hadoop, Hive, Yarn, Keras, Agile Scrum, SDLC, LaTeX

♛ Achievements

· Winner of the TCS Best Project Award for the best final year project at university.

· Best results in school at the Advanced Level and Ordinary Level Examinations.

· Won World Prize award for Physics at A/L and World Prize award for Mathematics at O/L.

· Clinched 10th place for Sri Lanka at the World Youth Scrabble Championships.

· Part of the Prefects' Guild at school.

· Member of the basketball team at university.

♥ Interests

Reading, Working out, Baking, Basketball, Scrabble, Cricket, F1