

Vignah Selvaraj

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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

WSO2

Senior Solutions Engineer

May 2022 – Present

Colombo, Sri Lanka

Responsibilities

- › Technical selling of API Management, Integration, and Identity & Access Management (IAM)
- › Demos
- › Stakeholder management between product team, support team, sales team, customers and partners

Achievements

- › Top % sometimes
- › Handled
- ›

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, 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, Running, Cricket, F1