RON JACOB VARGHESE

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EDUCATION

Amrita Vishwa Vidyapeetham   Kollam, India
Bachelor of Technology in Computer Science and Engineering CGPA: 8.62/10   *August 2019 - August 2023*

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, SQL (Postgres), HTML/CSS,
Frameworks: Express, ReactJS, NodeJS, JavaFX, Framer Motion, Next JS, Tailwind CSS
Tools: Git , VS Code, Oracle FAW, Oracle BI And Analytics, Firebase, MongoDB

EXPERIENCE

Associate Engineer Trainee   January 2023 - August 2023
Hitachi Vantara   *In Office*
- Trained in web development technologies such as React Js **worked on multiple small-assignments based on it**. Features included role-based login, **using restful API's**, and deployment
- Other technologies include oracle based tools such as Oracle BI And Analytics, Oracle Fusion Analytics(along with certification.). **Worked primarily on data visualisation using oracle technologies.**
- **Project - Penske Truck Leasing Company** , Main responsibilities include **documentation such as FDD, TDD, etc**
- In the Project I was also **responsible in creating OAC projects using OAC DV.**

PROJECTS

Lazzy Space | *Frontend*
- **Technologies Used - MongoDB, React JS, Node JS, Express Js**
- Designed the entire frontend application. The application is a task management system that helps us to organize tasks distribute files and schedule slots.

React Weather | *Frontend*
- **Technologies used: React JS, OpenWeatherApp API, Firebase**
- Designed the entire frontend application. Use the OpenWeathersAPI to gather information about the weather. Firebase was primarily used for authentication and storing historical data.

Umai | *Java Development*
- **Technologies Used - Java, JavaFx, Postgresql**
- Contributed in fully revamping the user interface and established models and functionality. The application is a powerful business management software platform that streamlines your processes, stores and shares files.

Twitter Sentiment Analysis | *Data Science*
- **Technologies Used - Transformers, BERT, Tensorflow, Keras**
- The goal was to introduce a novel model to the paper and compare it with existing architecture to the paper and do a deep analysis and state out observations.
- The models have the power to distinguish the sentiment in comments between positive, negative or neutral.

AI-Assisted Code Editor | *Data Science*
- **Technologies Used - Graph Neural Networks, LSTM, Python, Tensorflow, Pytorch**
- The goal was to use deep learning techniques in C++ code to check for not only semantic errors in code but also exceptions and also generate a fix for the error
- The models as of now provides **good accuracy(98 percent) when it comes to differentiating whether the code segment has errors or not** (not yet able to classify the error) yet. **Current variation of the model gives us a precision of 60 percent on classifying 7 different errors.**
- Dataset we currently have is incomplete as well as unbalanced. Rectifying dataset will boost performance in the model.
- Generation of solution to error is also imperfect, **generated solutions from the model have difficulties understanding concepts of variables.** Solution as of now is fixing the error and using human assistance to identify the right variables used in the expression.

CERTIFICATION

- **React The Complete Guide** - Academind

- **Oracle Cloud Fusion Analytics Warehouse 2023 Professional** - Oracle