AMMAR RANEEZ

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ABOUT ME

Short Description   Full Stack and Data Science Enthusiast, with a strong passion in learning Web and AI related technologies; easy to communicate with, and a great team leader and player. Dependable and trained to work in high-stress environments, seeking to leverage creativity and analytical thinking to help your company with its upcoming challenges.

Technical Skills   Git/GitHub, React, Angular, React-Native, Flutter, HTML(5), CSS(3)/LESS/SASS, JavaScript, NodeJS/Express, Python/TensorFlow/Sci-kit Learn, Java/JavaFX/ Java Applets, MySQL, NoSQL.

Languages   English, Conversational Proficiency in Sinhala, Conversational Proficiency in Tamil.
Interests   Full-stack Development, AI, and Data Science.

Portfolio   *https://development-portfolio-382f4.firebaseapp.com/*

PROJECTS

ONCO   (November 2020 – April 2021)

- Worked on a group project that is able to provide a prognosis and diagnosis for skin, lung, and breast cancers, using Flutter, Python and MS Azure.
- Learnt how to use GIT efficiently with contributors & handling merge conflicts.
- Learnt how to deploy Deep Learning and Machine Learning models to the cloud.
- Learnt MS Azure Functional Apps to be able to create APIs for the deep learning model endpoints.
- Learnt how to create Deep Learning models for Image Recognition and NLP & Machine Learning models for Classification.
- Learnt how to implement a CI/CD pipeline using CodeMagic.

E-Ophthalmologist   (December 2020 – April 2020)

- Wrote a diabetic retinopathy screening and management application, for a final year Business Information Systems student, using Flutter, Python and MS Azure.
- Learnt how to create simple yet beautiful mobile applications using Flutter.
- Learnt how to use various flutter libraries such as Flutter Google Maps.

Premier League Manager   (November 2020 – January 2021)

https://github.com/Ammar-Raneez/OOP-COURSEWORK

- Wrote a premier league manager interface, for Object Oriented Programming Coursework, using Angular, TypeScript, Java, and Play Framework.
- Learnt how to build up a fully functional Full Stack CRUD application.
- Learnt how communications with a created server API endpoint and client are configured.
- Learnt various OOP concepts.

Moosique Share   (November 2020 – December 2020)

https://moosique-share.firebaseapp.com/

- Wrote a music sharing application where music from SoundCloud and YouTube can be played, using React, ReactPlayer, GraphQL with Hasura through Apollo, and Material-UI
- Learnt how GraphQL can be used as an intermediary between a database and an application, allowing easy querying of data.
- Learnt the usage of Material-UI to create easy yet beautiful user interfaces.

Personal Portfolio Blog   (June 2020 – current)

https://mysterious-escarpment-41897.herokuapp.com/

- Wrote a Personal Blogging Application with CRUD and admin login functionality, using React, NodeJS, Firebase and Heroku.
- Learnt how to implement CRUD functionality using NodeJS, building a REST API.
- Learnt hosting via Heroku.
- Learnt how to validate admin access (to be able to add/ update/ delete a post) with custom Username and Password using Firebase Authentication.
- Learnt how various Node modules are used.

Covid-19 Live World Tracker   (June 2020 – July 2020)

https://covid-graph-tracker.firebaseapp.com/

- Wrote a covid-19 tracker, using React, ChartJS, LeafletJS, Google Maps and External API's.
- Acquired code organization skills by modularization and using ES6+ syntax.
- Deepened understanding in React functional and class components, hooks, and lifecycle methods.
- Learnt how API's, libraries and Firebase hosting are used.

Hit-Me-Up   (August 2020 – September 2020)

http://hitmeup-e7a8d.firebaseapp.com/

- Wrote an aesthetic messaging app, using Slack as an inspiration, using React, Context API, and firebase User Authentication.
- Deepened understanding in React functional and class components, hooks, and lifecycle methods.
- Learnt how to validate users, using Firebase Google Authentication.
- Used external React API's.

EDUCATION

Informatics Institute of Technology   (2019-present)

- Bachelor of Science in Computer Science.
- Cumulative Average: 87%

Royal Institute International School   (2004-2019)

- AL 2019 – Mathematics: 3A's

COMPETITIONS

Code Rally 2   Rank: 1/120 (December 22 2020)

https://www.hackerrank.com/contests/coderally2/leaderboard

PyHack   Rank: 4/120 (January 2021)

- Code Rally competition held by Informatics Institute of Technology through HackerRank.
- Acquired deep experience in problem solving.

Code Rally   Rank: 2/70 (March 8 2020)

https://www.hackerrank.com/contests/coderally/leaderboard

- Code Rally competition held by Informatics Institute of Technology through HackerRank.
- Acquired deep experience in problem solving.

Datathon   (October 2020 – January 2021)

- Ranked within the final 10 teams in Sri Lanka.

ADDITIONAL CERTIFICATIONS

- AWS Fundamentals by Amazon Web Services on Coursera. Certificate earned at October 11, 2020
- Deep Learning.AI TensorFlow Developer by Deep Learning.AI on Coursera. Certificate earned at September 25, 2020
- Mathematics for Machine Learning by Imperial College London on Coursera. Certificate earned at September 12, 2020
- Full-Stack Web Development with React by The Hong Kong University of Science and Technology on Coursera. Certificate earned at August 7, 2020.
- Deep Learning by deeplearning.ai on Coursera. Certificate earned at September 2, 2020.
- Java Programming and Software Engineering Fundamentals by Duke University on Coursera. Certificate earned at July 13, 2020.
- Object oriented Programming in Java by University of California San Diego & Duke University on Coursera. Certificate earned at July 16, 2020.
- Web Design for Everybody: Basics of Web Development & Coding by University of Michigan on Coursera. Certificate earned at June 30, 2020.