Sumanth Javvaji

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EDUCATION

Master's, **Computer Science**   *Aug 2021 - May 2023*
The University of Texas at Arlington   GPA: 3.71
Bachelor's, **Computer Science and Engineering**   *Jul 2016 - May 2020*
Amrita Vishwa Vidyapeetham   GPA: 3.51

SKILLS

Programming: Java, Python, C, JavaScript, C++
Web Technologies: React JS, HTML, JavaScript, CSS
Database: MySQL, Oracle
Tools: Eclipse, PyCharm, Jupyter Notebook, Visual Studio, Excel
Relevant Courses: Design and Analysis of Algorithms, Data Analysis, and Modelling Techniques, Web Data Management, Machine Learning, Software Engineering, Database Design

EXPERIENCE

Graduate Engineer Trainee, Hyundai Mobis   *Sep 2020 - Jul 2021*
- Worked as an Android Developer for Vehicle Infotainment systems, Hyundai BlueLink Technology, Kia UVO eServices, and Genesis Connected Services.
- Implemented Telematics feature such as RSA, POI, SOS, and ACN calls for Infotainment System. Designed SQL database that integrates with Android Applications and Web Interfaces.

Software Engineer Intern, Analyzed.in   *Aug 2019 - Oct 2019*
- Built an adversarial model where the job recruiter would create a virtual recruitment cell and be able to set the parameters according to the specific requirements and mandates which makes the hiring process much easier.
- Evaluated the model's accuracy and trained it until it achieved 87% accuracy by increasing the number of epochs.

Machine Learning Intern, Verzeo   *Jun 2018 - Aug 2018*
- Created a Machine Learning model Stock Trend Predictor which predicts the Stock Market Trend based on the previous trends using LSTM and RNN algorithms. The model was 88% accurate in detecting the future stock trend.

PROJECTS

Diego's App
- Developed an android and iOS application for back-end services and database requirements. Implemented Notification functionality using cloud messaging for notifying users about medication and therapy.
- The app helps users to keep up with their medication and their therapy sessions.
- Technologies: React Native, Firebase

Laundry Management System
- Developed a System for Laundry Management System which is used to handle laundry operations such as keeping records of balance, payments, invoices, and scheduling laundry delivery and pick up
- Designed an Authentication system for the users to sign up and sign in, helping the users to access the provided services.
- Technologies: PHP, Laravel, MySQL, HTML, CSS, JS

Iterative Text to Image generation using Recurrent GAN
- Built an adversarial model that can iteratively generate a new image conditioned on the history of instructions and the generated image from the previous time step. Training a Bi-directional GRU to encode all sentences and a Recurrent GAN model to generate images iteratively and by continuous training of the dataset achieved an accuracy of 84%.
- Technologies: Computer Vision, Natural Language Processing, GAN, BiGRU

Achievements

Publication
- Published a paper entitled "Iterative Text to Image Generation using Recurrent Generative Adversarial Networks." in the 3rd International Conference on Interdisciplinary Research (ICIR 2020) organized by Institute for Engineering Research and Publication during 17-18, July 2020.

Hackathon
- Grand Finalist for Data Science Hackathon in 2018, at the Innovation Campus, Bangalore, which was sponsored and organized by Phillips. Our team was one among the 14 grand finalist teams out of 264 teams across India. During the event, we worked on the problem of detecting the negation cue along with its scope in a given sentence.

Mentor
- Served as a Mentor in the TensorFlow organization for Google Code-in from Dec 2019 to Jan 2020.