R.Ramesh Arvind

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EDUCATION

GEORGIA TECH
MASTERS IN COMPUTER SCIENCE
2018 – 2020 | Atlanta, Georgia

PESIT
B.E IN COMPUTER SCIENCE
2012 – 2016 | Bangalore, India

SKILLS

PROGRAMMING
Languages
Java • JavaScript • Python
Front End
ReactJS • Redux • HTML • CSS •
Bootstrap • D3.js
Machine Learning
PyTorch • Numpy • Pandas •
comet.ml

AWARDS

Synechron 2017 Hackathon
Endurance Hackathon
GreytHR hackathon
Myntra hackathon
Mylan's Healthcare Hackathon
Microsoft Ventures Hackday
PESIT Ayana Hackathon
MSRIT MojoJojo Hackathon
Google Android Hackathon
Google Indic Hackathon

WORK EXPERIENCE

PLATFORM.AI | REMOTE
January 2019 - March 2019
- Designed Experiments to Understand the efficiency of transfer learning on aerial datasets for multilabel classification tasks.
- Refactored the data management on the front-end from using states and mutations to a redux-datastore.
- Redesigned the labelling UI for platform.ai using provided design mocks.

ENDURANCE INTERNATIONAL GROUP | FULLSTACK DEVELOPER
July 2016 – December 2019 | Bangalore, IN
- Worked on the development of a post-purchase panel for web professionals using React/Redux for Front-end and API orchestration with java.
- Designed a reusable component library for managing product actions on the panel.
- Created a library that allowed us to perform Pixel-level visual regression testing for our front-end codebases.
- Handled weekly on-call duties to address issues in production for our legacy systems as well as perform bugfixes.

MORGAN STANLEY | SUMMER INTERNSHIP
June 2015 – July 2015 | Bangalore, IN
- Built a daemon service which would monitor and analyze the performance of distributed application used internally.
- Visualization was done with D3.js and provided a dashboard interface to understand bottlenecks in the system to provide critical notices.

RESEARCH

MATCHING NETWORKS FOR ONE SHOT LEARNING
November 2019 – December 2019
Replicated the results from the matching networks paper (Deepmind). Created a jupyter notebook outlining experiments for one-shot learning with the omniglot dataset.

FONT SUGGESTION ENGINE | ENDURANCE INTERNATIONAL GROUP
December 2016 – January 2017
An application which suggests the font combinations to use based on the positions of text elements. A deep LSTM was trained on the the DOM tree of the webpage to represent each element as a sentence with the output being the font type. The dataset was curated from web design inspiration sites.

FONT DESIGN ASSISTANT | ENDURANCE INTERNATIONAL GROUP
July 2017
Designed an application which allows designers to prototype new fonts. It requires only a subset of the characters to be manually designed and the remaining are auto-generated by the model. Implemented using a Generative adversarial network.

PUBLICATIONS

- Investigating the Wisdom of Crowds at Scale , Poster Paper @ ACM 2015
- OU'Nano: A novel method and framework to optimize the utilization of digital communication channel and storage resources for textual based transactions at the 5th IEOM(IEEE) Conference, 2015.
- Auto-Segmentation And Content Management For Efficient and Personal Collaborative Work at the 8th International Technology, Education and Development Conference 2014 (INTED 2014) at Valencia, Spain.