



Rishabh Anand

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Profile

Machine Learning (ML) and Natural Language Processing (NLP) Engineer/Researcher with 2 years of experience, journalist and article writer, student at National JC.

Experience

ML RESEARCHER, BIOINFORMATICS INSTITUTE, A*STAR, SINGAPORE – 2018-PRESENT

- Using TensorFlow and Keras to improve relative accuracy in estimating Gibbs Free Energy Changes in Influenza Neuraminidase mutations

NLP RESEARCHER, VOCQ TECHNOLOGIES – 2016-2018

- Used Keras and TensorFlow to improve accuracy and BLEU Score of NLP models
- Built Vocq Similarity Engine that summarises a body of text to give key insights to companies

FRONTEND ENGINEER, VOCQ TECHNOLOGIES – 2015-2016

- Used Adobe Experience Designer to build quick prototypes and demo mockups
- Used HTML, CSS and JavaScript to build the landing page and customer dashboard

Education

National Junior College, Singapore, 2018-Present

- GCE Advanced Level Certificate
- Physics, Computer Science, Mathematics, Economics, H3 Research in Applied Machine Learning for Computational Virology

Achievements and Awards

- Neural Networks and Deep Learning
- Google Code-in, 2017-2018
- Young Engineer Gold with Distinction, 2017
- Young Engineer Silver, 2016
- Tableau Data Analytics, 2016

Skills

- **Machine Learning:** TensorFlow, Keras, TensorFlow.js, Basic PyTorch
- **Programming languages:** Python, Java, C, Swift, Basic Objective C
- **Web technologies:** HTML5, CSS3, JavaScript
- **Frameworks:** React Native, Electron, Node
- **Databases:** MySQL, NoSQL, Firebase
- **UI/UX Design:** Adobe Experience Designer, Sketch, Figma, Material Design

Projects

MLBLOCKS ([MLBLOCKS.GITHUB.IO](https://mlblocks.github.io))

- Used HTML5, CSS3, JavaScript to build the MLBlocks sandbox
- Used TensorFlow.js to build Machine Learning models in real-time
- Used Node.js to deploy models as APIs

Publications

Medium Corporation publications in the **Towards Data Science** journal, **Sigmoid** journal, and **HackerNoon** magazine.

(<https://medium.com/@mail.rishabh.anand>):

- A Comprehensive Guide to Genetic Algorithms (and how to code them)
- CatGAN: cat face generation using GANs
- Introducing TensorFlow.js 🎉
- Google Code-in 2017-2018
- Modular programming with Keras
- Making a Replier and Follow Bot for Twitter using Node.js
- TensorFlow or TensorNo?
- What makes Open Source Software the new icing on the cake
- Programmers are stuck in a vicious cycle
- A sound footing in sone-shot SaaS environment
- Stay relevant in today's growing AI-centric corporate environment