

ABHIGITH NEIL ABRAHAM

MACHINE LEARNING RESEARCH ENGINEER

ABOUT ME

I am a Machine Learning Research Engineer with 2 years of professional software development experience of which 1 year of research experience. I have vast experience in creating new tools and models in the AI space. I also have experience in building enterprises and products and am passionate about contributing to open source. I believe in working in a community-like workplace where greatness is achieved.

CONTACT

+91-7907752461

WEBSITE:

<http://abhijithneilabraham.github.io>

EMAIL:

abhijithneilabrahampk@gmail.com

LINKEDIN:

<https://www.linkedin.com/in/abhijith-neil-abraham-765165141/>

GITHUB:

<https://github.com/abhijithneilabraham>

LOCATION

INDIA

COMMUNITIES

- [TINKERHUB](#)
- [GOOGLE AI EXPLORE ML](#)

SKILLS

- Python • Java • Javascript
- MongoDB • nodeJS • Keras
- Django • Flask • Pytest • Firebase
- SQL • Machine Learning • NLP
- Deep Learning • Data Science
- Tensorflow • AWS • GCP
- Hasura • Docker • ANTLR
- git • Opencv • CNN

EDUCATION

College of Engineering, Thiruvananthapuram

2016 - 2020

B. Tech in Electrical and Electronics

CGPA: 8.1/10

WORK EXPERIENCE

[Autonomio](#)

Machine Learning Engineer

02/22 – Present

- Authored [Jako](#): a distributed hyperparameter computing tool.
- Building EasyEnergy: a tool for tracking energy output during model training and model inference.

[Saama](#)

Machine Learning Research Engineer

12/20 - 06/22

- Worked with the R&D team and built softwares, models and wrote research papers for accelerating clinical trials
- Built pipelines and wrote research papers (currently under review) for Question Summarisation, Evidence Inference, Bio Sentence Transformers,
- Built and deployed to huggingface: [Covid Question Answering](#).
- Built an auto-mapping software for cross matching medical domain databases.
- Wrote software for a faster alternative to my own product [TableQA](#).

[Minicog](#)

Machine Learning Engineer

05/20 – 12/20

- Wrote backend and software to research and build a novel software tool for querying natural language on tabular data. They pivoted after I left the enterprise.

Achievements and Contributions

- TableQA became [madewithml's](#) rank #1 software on Sept 25, 2020
- Implemented Sentence Embedder to [pytorch-lightning's](#) project.
- Authored [Jako](#), a tool for distributed computing for hyperparameter optimisation.
- Research Publications-
 - [TableQuery](#).
 - [Deep Learning Applications-Springer Journal](#)

Side Projects

NFFLOW

- [NFFLOW](#) is a data curation tool for researchers to aggregate data over time for researching and training their ML models. Built software, wrote blogs and did content marketing.