

Abhigith Neil Abraham

Puthenkandathil house, Manakkappady, Karumalloor P.O, Aluva, Ernakulam, Kerala, India, 683511

+91 7907752461 | abhijithneilabrahampk@gmail.com | github.com/abhijithneilabraham | linkedin.com/in/abhijith-neil-abraham-765165141/

Personal Profile

Machine Learning Research Engineer with 3 years of experience in ML research and ML software development. I have an excellent experience in ML Tooling, ML modeling and DevOps. I have helped dozens of enterprises in building and scaling ML and related applications. I have contributed to open source and have authored and contributed to several tools in the ML space. I believe in working in a community-like workplace where greatness is achieved.

Education

College of Engineering, Trivandrum

BTech in Electrical and Electronics

- Graduated with 8.1 CGPA on a scale of 10

Trivandrum, India

August 2016 - June 2020

Work Experience

Autonomio

Helsinki, Finland

Machine Learning Engineer

July 2022 - Present

- Single handedly authored and Open Sourced **Jako**, a distributed computing tool for hyperparameter optimisation using multiple machines. Responsible for building, testing and writing documentation.
- Single handedly authored and Open sourced **EasyEnergy**, a tool to track carbon emissions and energy draw for Machine Learning Experiments. Responsible for the idea, roadmap, building, testing and documentation.
- Technical Skills:** Python with PyTorch, Tensorflow, Pandas, Ubuntu Linux, Linux tools, Apt, Scripting, Git, Docker, SQL, Postgres, AWS, GCP.
- Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

Saama

Chennai, India

Machine Learning Research Engineer

Dec 2020 - June 2022

- Worked with the Research team for innovating impact of machine learning with natural language processing in Clinical Domain
- Wrote Research papers for NLP tasks such as **Bio Sentence Transformers** and Question Summarisation (Under Review)
- Built and deployed novel research models to **huggingface**.
- Worked with internal software research team to build tools to automate cross matching of medical domain databases.
- Technical Skills:** Python with Tensorflow, Pytorch, Algorithmic Research, Natural Language Processing, Git.
- Soft Skills:** Leadership, Time Management, Communication, Logical Thinking.

Minicog

Kochi, India

Machine Learning Engineer

May 2020 - Dec 2020

- Built an open source tool named **TableQA** for querying natural language on tabular data
- Wrote a **research paper** on TableQA
- Technical Skills:** Python with Tensorflow, Pytorch, SQL, Natural Language Processing, Git.

Research Publications

- Research paper - **BioSimCSE: BioMedical Sentence Embeddings using Contrastive learning**
- Research paper - **TableQuery: Querying tabular data with natural language**
- Research Journal - **Deep Learning Applications with Python**

Skills

Programming

Python (Tensorflow, PyTorch, Pandas, Scikit-learn. etc.), SQL, Postgres, Docker, Git, AWS, GCP.

Miscellaneous

Linux, Shell (Bash/Zsh), \LaTeX (Overleaf/R Markdown), Tableau, Microsoft Office, Firebase, Hasura, Metabase.

Soft Skills

Community Management, People Relationship, Time Management, Teamwork, Problem-solving, Documentation, Engaging Presentation.

Languages

English

Professional proficiency

Hindi

Professional proficiency

Malayalam

Native proficiency