Abhigith Neil Abraham

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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 buidling 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   *Trivandrum, India*

BTech in Electrical and Electronics   *August 2016 - June 2020*

- Graduated with 8.1 CGPA on a scale of 10

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 - TableQuery: Querying tabular data with natural language
- Research Journal - Deep Learning Applications with Python
- **Technical Skills:** Tableau, Overleaf, LaTeX.
- **Soft Skills:** Time Management, Teamwork, Presentation skills, Report writing.

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