

# Abhigith Neil Abraham

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## Personal Profile

Software Engineer with 3 years of experience in Full stack development, Machine Learning Research, ML software, DevOps, and Open Source. I have worked on a wide variety of useful projects for multiple organisations and is passionate about contributing to Open Source for better future of software development. I have also taken responsibility for building and scaling many projects which found their way into production. I aspire to work 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

### Aecmaster.com

Full Stack and AI Research Engineer

- Led a 5-month project to integrate ChatGPT into the AEC ecosystem to understand AEC data more efficiently for customers.
- Built full stack solution make a version control alternative for AEC data that also included 3D renderings using Three.js for building models.
- Developed a Chrome extension for optimized data handling in ChatGPT and a real-time platform for AEC data visualization.

Remote

March 15 - Present

### Autonomio

Machine Learning Engineer

- Authored and Open Sourced [Jako](#), a distributed computing tool for hyperparameter optimisation using multiple machines. Responsible for building, testing and writing documentation.
- 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.

Helsinki, Finland

July 2022 - Present

### Saama

Machine Learning Research Engineer

- 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](#)
- Worked with internal software research team to build tools to automate cross matching of medical domain databases.

Chennai, India

Dec 2020 - June 2022

### Minicog

Freelance Machine Learning Engineer

- Built an open source tool named [TableQA](#) for querying natural language on tabular data.
- Wrote a [research paper](#) on TableQA.

Kochi, India

May 2020 - Dec 2020

## 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

### Technical Skills

Python (Tensorflow, PyTorch, Pandas, Scikit-learn), SQL, Postgres, Docker, Git, Vue.js, AWS, GCP, Ubuntu Linux, Real-time Data Analytics, Three.js, Linux tools, Apt, Scripting,  $\LaTeX$ , Tableau, Firebase, Hasura, Metabase

### Soft Skills

Community Management, People Relationship, Time Management, Teamwork, Problem-solving, Documentation, Engaging Presentation, Leadership, Communication, Logical Thinking, Project Management, Team Coordination, Strategic Planning

## Languages

**English** Professional proficiency

**Hindi** Professional proficiency

**Malayalam** Native proficiency