ABHIJEET LOKHANDE

07480801382 ◇ London, United Kingdom

abhijeetlokhande1996@gmail.com ◇ https://www.linkedin.com/in/ablds/

SUMMARY

I am Highly skilled **Software Engineer (Python) - AI** with expertise in algorithmic challenges, performance optimization, and mentoring developers. Winner of Built-AI Hackathon, proficient in Financial Modeling, Generative AI, AWS, LLMs, and MLOps. Committed to writing high-quality code and constantly learning and sharing knowledge about new technologies.

TECHNICAL SKILLS

Languages and Tool	**Python, C++, JavaScript, Git, Go**
Framework	**Django, Flask, FastAPI, Angular, React**
	PyTorch, TensorFlow
Database	**MySQL, MongoDB, PostgreSQL**
Cloud	**AWS, SQS, GCP**
Markup Language	**HTML, CSS**
Proficient In	**Financial Modeling, Generative AI, LLMs, Spark, Pub/Sub**
	Docker, CircleCI(CI/CD), NGINX, Celery, RabbitMQ, GraphQL
	RESTful APIs, Apache Kafka
Familiar with	**Distributed Computing, MLOps, Test Driven development**

PROFILE LINKS

Linkedin	https://www.linkedin.com/in/ablds/
Gitlab	https://gitlab.com/abhijeetlokhande1996
Github	https://github.com/abhijeetlokhande1996

OPEN SOURCE CONTRIBUTIONS

- **Fine-tuned LLM** to detect Personally identifiable information(**7000** Downloads on HuggingFace). `https://huggingface.co/ab-ai/pii_model`

WORK EXPERIENCE

Built AI (FinTech - Financial Modeling)   April-2022 - Present
Software Engineer(Python) - AI   *London, UK*

- Built a data driven property tech solution for property investors using **Python(Django) and React**
- Reduced execution time of the financial modelling engine by **70%** by improving the efficiency of the existing **Python** code through **Cythonization**, **Vectorization** and **Distributed Computing**.
- Reduced generation time of location intelligence maps by **40%** by optimising the existing algorithm by handling **Large Volume Data** efficiently.
- Wrote unit tests and integration tests with a test coverage of 90%.
- Managed feature releases and deployments.
- Developed a **NLP model(Token Classification)** to detect various components in UK addresses and implemented a robust data preprocessing pipeline. This initiative resulted in a significant 30% improvement in the link rate of London property databases, enhancing data accuracy and efficiency.
- Ehanced the **NLP model** on the Built AI platform by integrating **AWS Textract** and implementing a custom integration algorithm, while also leveraging **LLM**. This combined effort resulted in a notable reduction in project creation time, cutting it from 55 minutes to just 30 minutes, thereby streamlining workflow efficiency.

- Developed a 3D cosine kernel and utilized the time dimension in the data (Time Series Data) to enhance the existing machine learning algorithm. This led to a significant 60% reduction in rent per square foot error. Additionally, implemented the Leave One Out strategy to evaluate the error, ensuring robust performance improvements.
- Developed a web-based Q&A application(**RAG**) for investment brochure analysis, leveraging Large Language Models (LLMs), Vector Databases, Embedding techniques, and Streamlit, enabling users to upload multiple brochures and query the system for relevant information retrieval and natural language responses.

King's College London March 2021 - January 2022
Research Associate *London, UK*

- Designed and implemented a robust data preprocessing pipeline for clinical data, ensuring accuracy and completeness of the million rows dataset.
- Utilized Scrapy and Beautiful Soup to gather data from various websites for research purposes

Aspect Ratio February 2018 - June 2020
Full Stack Developer(Python & Angular) - AI *Pune, India*

- Developed web-based forecasting model for more than 100 countries to predict patient progression and revenue of a drug.
- Developed a dashboard of polished visualizations to share results of data analyses.

EDUCATION

King's College of London
MSc in Data Science *London, UK*

University of Pune
B.E. in Computer *Pune, India*