ADITHYA NARAYAN

+1(857) 3761515 ◇ adithyanarayanb@gmail.com ◇ linkedin.com/in/anarayanb/ ◇ adinarayanb.github.io

EDUCATION

Master of Computer Science, Northeastern University   Aug 2022 – May 2024
Relevant Coursework: Unsupervised Machine Learning, Software Design Patterns, DBMS

Bachelor of Engineering, Information Science, VTU   Aug 2016 – Aug 2020
Relevant Coursework: Computer Networks, Operating Systems, Web Development

SKILLS

Programming Languages	Python, Java, TypeScript, Golang
Cloud & DevOps	Docker, Kubernetes, Ansible, AWS, GCP, CI/CD
Frameworks & Databases	Flask, Node.js, React, Web Sockets, Kafka, Redis, SQL, MongoDB

EXPERIENCE

Software Engineer   July 2024 - Present
Bear Brown   *Boston, MA*

- Built and deployed a **full-stack** LLM powered chatbot web app using **AWS, React, Flask REST API, and Redis,** scaling to over **1,000 users** per day and secured with **JWT.**
- Ensured 99%+ test coverage by setting up CI/CD pipelines with **Docker, GitHub Actions,** and PyTest.

Software Engineer   Sep 2020 - May 2021
Shell Oil   *India*

- Enhanced product list rendering performance by optimizing **API pagination** logic using **TypeScript**, and PostgreSQL, resulting in **faster load times** for **Shell Retail.**
- Developed and maintained dashboards for regulatory cash transfer services, writing **optimized SQL Queries** to process 100+ GB of data for 500+ users across Global Finance and HR teams, ensuring 24/7 uptime.

Software Engineer   Dec 2021 - Sept 2022
Skit.ai   *India*

- Built **streaming** APIs for real-time speech-to-text, using Socket Programming and **Kafka** to serve over **10M+** customers across four clients, leveraging Kubernetes for **broker replication**.
- Designed internal REST API's and tools for model finetuning and batch inference using Python, Golang, and Kubeflow, r**educing deployment time by 2+** days for four clients.

Software Engineer   May 2021 - July 2021
Stride.ai   *India*

- Developed Flask Microservices to perform PDF image processing for **1M+ users**, leveraging Kafka for real-time streaming, and Celery for **Async, Multithreaded Task Processing.**
- Built an React Powered PDF dataset annotation app, that reduced per-document annotation time by 40%, supporting multiple user specified annotation schemas.
- Created **Data Pipelines** with **Apache Airflow** to efficiently process **10,000+** documents on S3, ensuring high-quality datasets for downstream machine learning model training.

PROJECTS

PaperGraphr. Built a large-scale (1000+ nodes) **graph visualization engine** in Python, Spark, React.js, D3.js, MongoDB, and AWS Lambda, implementing features like node search, and edge filtering. (Try it here)

QUnderflow. Created a **Fullstack Q/A platform** using MongoDB, Express.js, React.js, and Node.js, implementing user login, Question forms, upvotes, comments, and reputation validation, and developed an extensive automated test suite using **Cypress.**