KOUSTUBH KULKARNI

koustubhk2193@gmail.com | +91 9307058374 | CHINCHWAD, PUNE | [GitHub](https://github.com) | [LinkedIn](https://linkedin.com)

Work Experience

Commvault System, Pune   Intern (Research and Product Development)   **April'24 - Present**
- Designed and Developed sophisticated Deep Learning based Log Analysis for better system availability.
- Tested various types of log messages generated by Distributed File System Architecture of Commvault in Python.
- Developed the fault tolerant and system recoverability using Large Language Models and Autoencoder architecture.
- Provided the analysis of logs based on the RAG pipeline, LLM, VectorDB, ReactJS and Python APIs.

EpVi New Technological Epoch Pvt. Ltd.   Machine Learning Engineer Intern   **Dec'23 - Feb'24**
- Developed chatbot for efficient customer support and deployed Flutter app increased retention by 13%.
- Researched on various RNN Models suitable for solution and identified the best model for optimal solution.
- Efficiently processed real-time data and executed training of LSTM and BiLSTM models with precision and efficiency.

Education

Pimpri Chinchwad College of Engineering, Pune   **2021 - 2025**
B.Tech Computer Science and Engineering (AI & ML)| CGPA: 8.93   (expected)

Skills

Programming Languages : C++ | Java | Python | C | JavaScript
Development: MySQL | MongoDB | Java DataBase Connectivity (JDBC) | Java SpringBoot
Libraries and Frameworks: Pandas | Numpy | Scikit Learn | Keras | Tensorflow | Matplotlib | NLTK
Skilled in: Machine Learning | Linux | Deep Learning | Data Science | Data Structure and Algorithm
Coursework: Object Oriented Programming(OOP's) | DataBase Management System(DBMS) | Software Engineering | Cloud Computing | Operating System (OS) | HTML5 | CSS3
Familiar With: Git | GitHub | Docker | AWS | Kubernetes

Projects

SiteVault : Site Safety Detection Platform   **May'24**
- Developed a solution based on **Machine Learning** and **Natural Language Processing(NLP)** to detect malicious websites
- Implemented various **networking** and **hosting** features for better accuracy and implemented it with ML pipeline.
- Successfully able to **scrap** the data from websites and identify the redirectable webpage present in the website.
- Deployed the website on the **AWS platform** for easy access using EC2, S3, DynamoDB, IAM services of AWS.

CourseConnect: Courses Recommendation System   **Nov'23**
- Implemented machine Learning Algorithm along with **MERN Stack** (MongoDB, ExpressJS, React JS,Node JS) that increased search query **accuracy by 40%** refining course recommendations for users.
- Successfully Tested Platform over **100+ users** for their needs and got 97% of positive feedback.

EchoCare: Voice Based Patient Registration System   **June 23**
- Reduced patient registration time by **75%** through the implementation of a voice-based system using React, NodeJS, ExpressJS, and MongoDB, improving overall work flow efficiency in health-care operations.
- Achieved **60% increase** in registration accessibility by integrating voice recognition technology, ensuring a more inclusive experience for patients with diverse needs and preferences in the health-care domain.

Other Projects : Multi-Bank ATM Simulation using C++ and OOP concepts, Document Verification using OCR

Extracurricular Achievements

- **Finalist** at **InnoSpark** (by Chandigarh University).
- Led Team Pruthvi to the semi-final of the **Smart India Hackathon 2023**
- **Qualified Graduate Aptitude Test for Engineering** (GATE) 2024 in Data Science and Artificial Intelligence (DA).
- Solved **250+ DSA problems** on various platforms.
- 3 Star at CodeChef with max rating 1635 and 1732 rating at LeetCode.