Ajinkya Mahajan

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EXPERIENCE

Mahindra GTO   Jul. 2023 – Present
Data Intern   Mumbai, India
- Implemented 9 Apache Beam prediction and retrain pipelines that are consumed by **over 3 in-house businesses**;
- Implemented ML model that **increased average lead from 1.2% to 3.4%** in 3 months
- Implemented Image Classification model with an **accuracy of 93.2% to classify scratches and dents**

Weekend AI   Jun. 2023 – Aug. 2023
Data Science Intern   Pune, India
- **Led development** of a dashboard using Streamlit and Lang Chain to book generator software using Generative AI
- Implemented enhanced token reduction techniques to **reduce cost by over 30% for every API call**
- Used Replicate stable diffusion models with dynamic prompt generation for appropriate image generation

TickTech IT Solutions   Jun 2021 – Oct. 2021
Web Development Intern   Pune, India
- **Led a back end team** in development of Student Grievance management system using **Firebase and Django**
- Resolved multiple bugs on PHP based web-app

PROJECTS

Classification of Depression on social media using Distant Supervision
- Utilized Sentiment140 dataset to detect depression in young adults during Covid-19, distinguishing depressive and non-depressive tweets, emphasizing emoticons for distant supervised learning in machine learning models.

Improved Round Robin Scheduling Algorithm
- Developed a dynamic time quantum Round Robin scheduling algorithm, enhancing efficiency by 1.32x. Reduced waiting time, turn-around time, and context switches validate the improvement.

EDUCATION

Vishwakarma Institute of Technology   Dec. 2021 – Present
B.Tech in Artificial Intelligence & Data Science (CGPA: 9.3)   Pune, India
- **Coursework**: Data Structures, Algorithms, Databases, Computer Systems, Machine Learning, Cloud Computing
- **Chapter**: Lecture Notes in Electrical Engineering' 24, Intracranial Tumor detection with multilevel ensemble learning
- **Research**: IEEE Xplore digital library, 2023 , Skin cancer prediction and intensity calculator using Deep Learning

Government Polytechnic   Jul. 2018 – Aug. 2021
Diploma in Computer Engineering (CGPA: 9.6)   Jalgaon, India
- **Coursework**: C, C++, Java, Data Structures, Algorithms, Databases
- **Industrial Training**: Libity Infotech, Web applications, back-end development, APIs and functions

SKILLS

Languages : Java, Python, Apache Beam, JavaScript (Node.js), HTML/CSS, SQL (PostgreSQL, MySQL)
Tools : Google Analytics, GitHub, Google BigQuery, Cloud Run, Docker, Vertex AI, Apache Superset, OBS

ACHIEVEMENTS

Hackathons : **Winner**: SIH 2023, **Finalist**: TomTomNext'22, **Ultimate Badge** in GCP Qwiklabs
Rank : **State Rank 800** in Diploma Maharashtra in over 3.7L students