Abhimanyu P Deshmukh

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EDUCATION

University of Mumbai (GPA: 8/10)	Mumbai, India
BE in Computer Science and Engineering- Data Science	July 2022- July 2026

- Courses: Data Structures, Analysis of Algorithm, Statistics for Data Science, Data Mining, Machine Learning, Deep Learning, Artificial Intelligence, Operating System, Big Data, Computer Networks, Web Computing

SKILLS

Programming Languages: Python, R, Javascript, Java, C, C++
Technology Stack: ETL processing, Tensorflow, Scikit learn, Numpy, Pandas, SQL, PyTorch, Selenium, Beautifulsoup, Git. (Statistics, Maths, Critical Thinking, Problem Solving)

PROJECTS

- **ATS Assist: Resume Enhancer using NLP and LLMs**- Developed a system for improving resumes on aspects like Grammar, use of keywords and impactful sentence formation using Languagetool API, NLP (BERT with TF-IDF scoring for relevant keywords) and LLM for sentence generation. TF-IDF will help in scoring the keywords associated with the job role on which BERT model will be trained on. LLM (mistral) used for text generation catering to specific resumes.
- **VocabLearn: English Vocabulary Enhancer using Leitner approach**- Solved challenges of vocabulary improvement by implementing a flashcard approach (Leitner system) and dynamic difficulty shifting of words using Linear Regression. Created my own dataset of 1300+ GRE words by performing web scraping using BeautifulSoup (BS4) and Selenium with the help of Chrome Webdriver from a trusted source. It also showed stats based on users progress.
- **Email Client with user authentication** (Developing)- Implementing an email client using IMAP and SMTP protocols and Django for a smooth backend. GraphQL for API communication and Google OAuth for Security. This project helps me get a better understanding of communications from APIs and frontend.
- **Property Price Prediction-** Created a price prediction model with a dataset for the properties in Bangalore. Performed ETL (cleaning, Transformation, Outlier Detection). Trained the model on multiple parameters after performing feature engineering and dimensionality reduction. Tried models like Multi-linear Regression, Lasso Regression.

OPPORTUNITIES

- Took sessions for students in college on topics like ETL processes (Hands on), use of Tech Stacks (Python) etc through college clubs and Hacktoberfest.
- Member of IEEE APSIT student branch in the design team as a co-lead. Volunteered for organising Hacktoberfest in college campus. (7 days of events, hand on sessions, expert talks)
- Member of Data Science and Analytics club APSIT. Worked for managing events, ensuring technical facilities and Volunteering.

ACHIEVEMENTS/ACTIVITIES

- Hackwave- Participated in a 24hr National level Hackathon. Qualified for 2 rounds of 3. Worked on various machine learning models and applied ETL concepts to given datasets aiming to create an accurate prediction model. (April 2024)
- Participated in a 24hr Hackathon at VCET, Vasai in the Cybersecurity domain: Enhancing the security of any given application using Encryption, Multi-factor Authentication etc. (Oct 2024)
- 2nd place in Matrix of Deception: Inter-departmental Hackathon organized by Data Science and analytics club.

Non-Technical achievements:
- Attended a district level camp for disaster management being a NSS Volunteer for more than a year
- 2nd place in the Badminton tournament at the Ojus sports fest.

CERTIFICATIONS
- PCAP: Programming Essentials in Python (Cisco Networking Academy)
- Database Foundations (Oracle Academy)

AICTE Eduskills Virtual Internships:
1. Cohort 5 : Network Security Virtual Internship By Fortinet (May-July 2023)
2. Cohort 6 : Data Analytics Process Automation Virtual Internship by Alteryx (Sep-Nov 2023)
3. Cohort 7 : Embedded System Developer Virtual Internship by Microchip (Jan-Mar 2024)
4. Cohort 8 : Juniper Networking Internship (May-June 2024)
5. Cohort 9 : Google Cloud Generative-AI Virtual Internship (July-September 2024)
6. Cohort 10: Google for Developers AI-ML Virtual Internship (October-December 2024)