

RAHUL PRAKASH SHELKE

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TECHNICAL SKILLS

Programming Languages: Python, C, SQL, HTML, CSS

Tools: Tensorflow, Pytorch, Dash, Docker, Git, AWS, MySQL, MondoDB, Cassandra, Tableau, PowerBI

Technologies: Machine Learning, Deep Learning, Natural Language Processing (NLP), Computer Vision (CV), Data Structures and Algorithms

WORKING EXPERIENCE

Altimetrik

Jun 2022 – Jan 2023

Associate Data Scientist

Bengaluru, Karnataka

- Enhanced **NLP**-based product functionality by creating an **intent classifier** as a key feature using **RASA**
- Leveraged **Transformer models** for **emotion classification, sarcasm detection, and urgency detection**, employing **AWS EC2** services with GPU support for training. Achieved **F1 scores** exceeding **80%**, implemented containerization and **training using Docker** for enhanced efficiency. Utilized **S3 bucket** for streamlined **data storage**
- Introduced a **trend analysis** model for an NLP-based product, sourcing data from twitter for trend analysis. Employed **LDA** for **topic modeling** and applied **time series** modeling for accurate forecasting

Altimetrik

Jan 2022 – Jun 2022

Project Intern

Bengaluru, Karnataka

- Explored the operations market segments, uncovering diverse challenges and skillfully translated them into data science problem statements
- Constructed and presented interactive dashboards utilizing **Flask** and **Plotly** for comprehensive data visualization and analysis
- Guided a **Proof of Concept (POC)** initiative focused on **intent classification** for an NLP-based product

Railofy – Rodeo Travel Technologies

Aug 2021 – Nov 2021

Data Science Intern

Mumbai, Maharashtra

- Contributed to project involving **ElasticSearch** and **MySQL** database, demonstrating proficiency in data management and retrieval
- Designed and implemented a model performance dashboard using **Kibana**, enhancing real-time monitoring and analysis capabilities
- Accountable for monitoring model data drift and target drift, ensuring the ongoing accuracy and effectiveness of predictive models
- Engineered a model selecting dashboard using **Python**, **Streamlit**, and **Plotly**, providing an intuitive and interactive platform for streamlined model evaluation and selection

Madras Scientific Research Foundation

Jul 2021 – Sep 2021

Content Development Intern

Tamil Nadu, Chennai

- Authored blog posts covering AI/ML tools such as **OpenCV**, **DyNet** and technologies like **Named Entity Recognition (NER)**, Providing insights into their functionalities and applications
- Developed distinctive, easily comprehensible, and user-friendly content

EDUCATION

University of Mumbai

Aug 2016 – Nov 2020

Bachelors of Engineering-Computer Science and Engineering

CGPA 7.32/10

PROJECTS

HR Analytics – [\[Project\]](#)

- Conducted exploratory data analysis (EDA) and delved into machine learning classification concepts. Leveraged **pandas**, **numpy**, **matplotlib**, and **sklearn** for data exploration, visualization, and modeling

Web Scrapping Data & Data Visualization – [\[Project\]](#)

- Extracted financial data from Yahoo! Finance using **BeautifulSoup**, exploring and gaining foundational knowledge in web scraping concepts. Utilized **pandas**, **numpy**, **matplotlib**, and **sklearn** for comprehensive exploratory data analysis, visualization, and modeling