

ANKITA KALE

Data Science & Analytics

+91-8591046602

careers.ankita@gmail.com

Mumbai, Maharashtra, India

<https://www.linkedin.com/in/ankita-kale-8aa11059>

Data Scientist with Over 11 years of total IT and Academic field experience. Proficient knowledge in **Python** and **SQL** with hands on project experience in technologies like **NLP, Predictive Analytics, Machine Learning, Data Preprocessing, Data Wrangling** and **EDA**.

SKILLS

Machine Learning | Natural Language Processing | Deep Learning | Data Engineering
Python | SQL | PL/SQL | Tableau

EXPERIENCE

Cognizant Technology Solutions India Private Limited – Mumbai, MH, IN

Data Scientist – IPA Analytics

May'21 – Present

- **Ad-Hoc / Analysis / Automation / Retraining Requests** | Feb'23 – Present | Team Size: 6
 - Applied Faster R-CNN and LIME on image dataset to find patterns in Face Detection Misclassification
 - Analysing % of hours spent on each status monthly/ quarterly basis by developing Google Script to calculate hours spent on buganizer current status
 - Performed cleaned-up on ~30% EVCS data by EVCS Data Investigation, EVCS model Performance and Mispredictions Analysis, Slicing strategies and Rules findings
 - Impacted 60-80% time by automating retraining reports creation using Python Doc API and JavaScript
 - Performed Model Retraining and hyper parameter tuning
- **Claim disbursement process using claim description** | Feb'22 – Feb'23 | Team Size: 6
 - KRA: Create NLP solution based on claim description and notes provided in the treatment statement by clinics and providers. The claims description was cleaned using NLP techniques to create embedding for the treatment provided. The embedding was provided to random forest algorithm against illness established to make classification and success of claim disbursement.
 - Used different modules to read data from Text PDF and different OCR modules to read data from Image PDF
 - Build NLP model using stanza i2b2, bc5cdr and generic NER as NER, creating pipeline of Dictionary Matching Algorithms, applying BERT and BioBERT models and Clinical Assertion Detection Technique to classify entities and create bounding boxes around it with class color in the medical records
 - Worked on Healthcare Spark NLP to create bounding boxes around clinical entities
 - Developed Neo4J graph database to identify the illness across demographic data of the patients.
- **Album Cover Identification and Recommendation** | Jun'21 – Feb'22 | Team Size: 4
 - KRA: Development data using Image annotation using AWS sagemaker annotator from album images stored at S3 bucket. The annotated file was tagged and process for entities (artist name and band name). Development of LSTM based model for NER prediction and to establish a recommendation system based on artist name followed by band name.
 - Performed Image Annotation and storage in S3 on 4000+ images
 - Bi-directional LSTM as NER was developed to output the Album and Artist 'B' and 'I' Tags on their names.

EXPERIENCE (Cont'd)

Ghanshyamdas Saraf College - University of Mumbai, MH, IN

Assistant Professor - Department B.Sc. I.T. Jun'15 – Dec'20

- Project Guide, Paper Setter, Examiner, Moderator at University and College level
- Member of Committees - Unfair Means, Time Table, Attendance, Seminar, Intercollege IT event Technowizz.

St. Gonsalo Garcia College - University of Mumbai, MH, IN

Lecturer - Departments M.Sc. I.T. and Self Finance Dec'13 – Jun'15

Approwess - Vasai, MH, IN

Software Engineer (Intern) Aug'13 – Nov'13

- Developed Applications using C#.Net, ASP.Net and Microsoft SQL Server.

Knoc Door Services - Mumbai, MH, IN

Software Developer Mar'13 – Aug'13

- Designed and Developed Web Applications using HTML, CSS, JQuery, JavaScript, PHP and MySQL.

EDUCATION | CERTIFICATE PROGRAMS

Executive Certificate Program in Senior Leadership Pursuing
Indian Institute of Management Visakhapatnam, AP, IN

M.Sc. in Computer Science Aug'14
University of Mumbai, MH, IN

CERTIFICATIONS

Data Scientist Master's Program - Simplilearn Apr'21

Oracle Certified Expert Database SQL Apr'12

ADDITIONAL DETAILS

Languages : English, Hindi and Marathi

Hobbies : Yoga, Reading, Rangoli Making, Cooking and Teaching

Nationality : Indian