

# Sakshi Tantak

+91 9403878063 | [sakshi99tantak@gmail.com](mailto:sakshi99tantak@gmail.com) | [linkedin/sakshitantak](https://www.linkedin.com/in/sakshitantak) | [github/sakshitantak](https://github.com/sakshitantak)

## WORK EXPERIENCE

### IIT BOMBAY | PYTHON DEVELOPMENT INTERN

Mumbai, In | May 2021 – Present

- Developing an authentication and login system and designing dashboards for multiple types of users using **Python** **Flask** and **SQLite**.

### OMDENA WEOWATER CHALLENGE | JUNIOR ML ENGINEER

Remote, In | May 2021 – July 2021

- Developing an integrated system of **scrapers** to scrape articles related to natural calamities and classify them using an NLP model using **Python**.
- Task leader for the task of **deployment** of application using **Streamlit** and **GCP**.

## EDUCATION

### Bachelors of Engineering in Information Technology

Pune, In | July 2021

PUNE INSTITUTE OF COMPUTER TECHNOLOGY

Cumulative GPA: 8.693/10

## PAST PROJECTS

### SUMMENT

NLP, PYTHON, NODEJS, REACTJS

End-to-end system for **abstractive summarization** of **patent** documents using **Artificial Neural Networks**.

### USE CASE GENERATION BASED ON USER STORIES

PYTHON, NODEJS, MONGODB

Provided **consultancy** to Virtue InfoTech for the project in **training and integration** of **Naive Bayes classifier**, with desktop application.

### FINE-TUNING BERT FOR MULTI-LABEL SENTIMENT CLASSIFICATION

NLP, PYTHON, SCRAPY, PYTORCH

Fine-tuned BERT on **SST-5**. **Scraped** product reviews of 100 **mobile phones** from **amazon.in** and tested the model on scraped data.

### IPL WINNER PREDICTOR

ML, SKLEARN, SEABORN

Visualized and **observed** the **trends** and details in **ball-by-ball dataset** of IPL using **matplotlib** and **seaborn** for interactive pictorial representation. Trained **XGBClassifier** to predict the winner of a match and **tuned hyperparameters** using **GridSearchCV** to obtain a **test data accuracy** of **96%**. **Visualized** the **results** using **matplotlib** and **seaborn**.

### PAN-INDIA DOCUMENT MANAGEMENT SYSTEM

JAVA, MYSQL, JSP, CSS, JDBC

Developed a **web-based** application to aggregate all the **legal** and relevant details of users and structure them according to **legally-binding identity documents** like **Aadhar Card**, **PAN Card** and **Driving Licence**. Designed **front-end** in **JSP**, **CSS**, **Bootstrap**. Established **connectivity** between front-end and back-end via **JDBC driver**, **served** in **Java Servlet**.

## ONGOING PROJECTS

### SLIDEMATE

OCR, NLP, PYTHON, JAVASCRIPT

## SKILLS

**Languages:** C, C++, Python, JavaScript, Dart, SQL

**Web Development:** Python Flask, NodeJS, JavaScript, HTML/CSS

**Technology:** numpy, pandas, sklearn, matplotlib, gensim, bs4, opencv, NLTK, Git, AWS, GCP, Docker, ~~LaTeX~~ LaTeX, MongoDB, MySQL, SQLite, spacy, huggingface's transformers, TensorFlow Keras, PyTorch, scrapy, streamlit, Algorithmia

**Familiar with:** GPT-2, GPT-3, BERT, BART, T5, BigBird, BigBirdPegasus, Pegasus

## COURSE WORK

**Elective Courses Taken:** Business Analytics and Intelligence, Soft Computing, Computational Optimization, Social Media Analytics

**Deep Learning Coursera:** Deep Learning specialization by deeplearning.ai, Natural Language Processing specialization by deeplearning.ai

## INTERESTS & HOBBIES

Ex-gymnast, Poetry & Writing, Swimming, Air Rifles, Painting