

Piyush Deshmukh

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EDUCATION AND HONORS

- **FirstBit Solution** Pune
Python Full stack Diploma course (Oct 2023 – May 2024)
- **University of Mumbai** Alibaug
Janta Shikshan Mandal Collage
Bachelor of Computer Science(2020-2023) **[Grade 8.3]**

PROFESSIONAL EXPERIENCE

CodeClouse Pvt Ltd Remote
Data Science Intern Oct 2023 – Nov 2023

- Finished three data science projects: **fake news detection, next word prediction, and sentiment analysis**.
- Enhanced sentiment analysis using TextBlob and VADER for precise sentiment categorization.
- Developed a next word prediction model with TensorFlow and LSTM for accurate text generation.
- Created a robust fake news detection system using text preprocessing and machine learning.

Valtta Pvt. Ltd Pune
Data Analyst Intern Feb 2023 – Aug 2023

- Applied advanced analytical techniques to extract valuable insights from diverse datasets during an internship at Valtta Pvt. Ltd.
- Played a pivotal role in interpreting intricate data patterns, facilitating informed decision-making across interdisciplinary teams.
- Contributed significantly to organizational objectives by conducting comprehensive data analysis and generating insightful reports using Python and SQL.

PROJECTS

ONLINE E-MARKETING SITE:

- Created a feature-rich e-commerce platform with Flask that makes product buying and selling easy.
- Integrated Stripe API payment processing features allow for safe and effective transactions.
- With SQLAlchemy, database models for users, goods, categories, and orders were created and put into place, guaranteeing effective data administration.
- To ensure reliable operation, Flask extensions such as Flask-WTF were used for form handling
- Worked along with front-end developers to use JavaScript, HTML, and CSS to construct dynamic front-end.

FAKE NEWS DETECTION:

- The news dataset, including author and title information, is processed using a Python script.
- Text preparation methods used include stopword removal, stemming, and lowercase conversion.
- trains a Logistic Regression model and extracts features using TfidfVectorizer.

ONLINE GROCERY STORE:

- Developed a resilient e-commerce backend with Python and Flask, ensuring scalability and adaptability.
- Implemented secure user authentication and management, simplifying account operations while prioritizing data security.
- Designed dynamic product management features, facilitating seamless addition, removal, and updates for an enhanced shopping experience.

SKILLS

- **Programming Languages:** Python (OOP), SQL, HTML, CSS, Javascript, Bootstrap
- **Data Structures & Libraries:** Scikit-learn, NumPy, Pandas, Matplotlib, Seaborn
- **Database/Servers:** SQL Server, MongoDB, PostgreSQL
- **APIs & Development Tools:** A/B testing, ETL, APIs, Excel, Anaconda, Spyder IDE, Jupyter Notebook, Visual Studio Code, PyCharm, Atom, Notepad++, Tableau, Power BI, Git (Version Control)

CERTIFICATIONS

- Introduction to Machine Learning in Production
- TCS ion Career Edge – Young Professional
- Data Science Foundation By IBM
- Deep Learning Essential By IBM