

# Piyush Deshmukh

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GitHub - [PiyushDeshmukh-456](#) | [Linkedin Profile](#) | [Portfolio](#)

## EDUCATION AND HONORS

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### Vellore Institute of Technology

Master in Computer Application

Pursuing

### University of Mumbai, Janta Shikshan Mandal Collage

Bachelor of Computer Science[**Grade 8.3**]

June 2020- July 2023

## PROFESSIONAL EXPERIENCE

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### 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

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### PORTFOLIO WEBSITE:

- Developed a responsive personal portfolio using Django, incorporating HTML, CSS, and JavaScript for an interactive UI.
- Dynamic content management with an admin interface and integrated media handling, including a downloadable resume feature.
- Deployed on PythonAnywhere, demonstrating proficiency in server management, deployment, and full-stack web development.

### 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.

### 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.

## EDUCATION AND HONORS

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- Programming Languages:** Python (OOP), SQL, HTML, CSS, Javascript, Bootstrap
- Operating Systems:** Windows, Linux
- Data Structures & Libraries:** Scikit-learn, NumPy, Pandas, Matplotlib, Seaborn
- Database/Servers:** MySQL, PostgreSQL, SQL Server, MongoDB
- 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

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