

# SOUMIK PATRA



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## WORK EXPERIENCE

Oasis Infobyte  
*Data Science Intern*

JAN 2023 – FEB 2023

Developed multiple open-source projects with different datasets by creating models and applying them with EDA, Classification, Regression and NLP to generate optimal solutions with highest success rate.

Finlatics  
*Financial and Investment Banking Analyst Intern*

MAR 2023 – MAY 2023

- (1) Maintained and followed a real-time simulated stock market portfolio on BSE 500 INDEX companies and conducted equity research based on Engineering and Automotive Sector.
- (2) Assessed investment proposals and identified start-ups with high growth potential.

## ACADEMIC PROJECTS

Machine Learning  
*Image Steganography using Custom Deep Neural Networks*

MARCH 2023 – MAY 2023

- (1) Description: Used Deep Learning to implement Image Steganography to hide secret data within an image without altering the image's perceptual quality.
- (2) Technology Used: Python, PyTorch
- (3) Role: Backend Development, MLOps.
- (4) Results: Generated a model which encodes, decodes and extracts the data hidden between multiple input images with an accuracy of 93% for revealing the output images with application of CNN.

Data Science and Machine Learning  
*WhatsApp Chat Analyser – For Effective Visualisation and Management*

FEB 2022 – MAR 2022

- (1) Description: Deployed a web-based app that can be used to analyze WhatsApp Chats whether in Group or Personal using Machine Learning.
- (2) Technology Used: Python, NumPy, Pandas, NLP, Matplotlib, Seaborn, Streamlit, Heroku.
- (3) Role: Exploratory Data Analysis, Model Development and MLOps.
- (4) Results: Generated a model with 95% accuracy which analyses the chats and categorises them into descriptive statistics of various parameters based on the user represented through media.

App Development  
*TEXTIFY – Text Syncing and Sharing Utility Tool*

APR 2022 – JUL 2022

- (1) Description: Developed an interactive text syncing and sharing utility application for sharing any form of information in text format within unique peers.
- (2) Technology Used: Python, Flutter, Dart, Heroku, MongoDB.
- (3) Results: This application results in creating a unique ID which only your selected peers may know for text syncing and sharing.

## EDUCATION

2020 – PRESENT **Bachelor of Technology**  
Computer Science and Engineering  
Vellore Institute of Technology, Bhopal

## COMPUTER SKILLS

BASIC	R, Java, PyTorch
INTERMEDIATE	Flask, PowerBI, MySQL, MongoDB React.js, Streamlit, Git, Dart, UI/UX
EXPERT	Python, C++, JavaScript, TensorFlow

## CERTIFICATIONS

JUN 2023	<b>AWS Certified Cloud Practitioner</b> AMAZON WEB SERVICES
DEC 2022	<b>Fundamentals of Data Analytics</b> NASSCOM
NOV 2022	<b>Applied Machine Learning with Python</b> COURSERA (University of Michigan)

## ACHIEVEMENTS

**Machine Learning Hackathon:**  
2<sup>nd</sup> place in Kaggle Challenge hosted by the AI Club, VIT Bhopal University  
**UNLEASH Global Innovation Lab 2022**  
Selected as Global Talent among 19,000 International Talents

## VOLUNTEER WORK

AdVITya  
*Inter-University Techno-Cultural Festival*  
Core Committee Member

OWASP Club  
*Graphics Team Lead and Manager*  
Lead a team of individuals to create visual identities for OWASP Club.