

HIMANSHU SALUNKE

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EDUCATION

R. C. Patel Institute of Technology, An Autonomous Institute, Shirpur

Dec 2021 – May 2024

Bachelor of Technology in Data Science

CGPA: 6.94/10

R. C. Patel Polytechnic, Shirpur

Aug 2017 – May 2021

Diploma in Computer Science

CGPA: 9.4/10

PROJECTS

Sentiment Analysis using Bert | *Python, Deep Learning, Pandas*

Nov 2023

- Trained BERT sentiment analysis for 10 epochs, fine-tuning using **AdamW optimizer** and a linear warmup schedule.
- Attained **90% accuracy** and **0.82 F1 score** on Smile Twitter Dataset, enhancing sentiment analysis precision.
- Enhanced model accuracy by **20%**, analyzed validation data for improved sentiment classification insights.

Plant Leaf Disease Prediction | *Python, Flask, Deep Learning*

Sep 2023

- Optimized CNN with TensorFlow, **35%** accuracy boost in plant disease identification, advancing agricultural solutions.
- Executed diverse image transformations, improving model generalization via data augmentation for a 15% boost.
- **Attained 97% accuracy**, demonstrating proficiency in disease classification through effective model development.

World's Oldest Businesses | *Python, Data Analysis*

Aug 2023

- Unearthed details of the world's **164** oldest businesses, utilizing historical research and advanced data analysis techniques
- Orchestrated cataloging across **15 regions**, ensuring precise data for strategic global business analysis and decisions.
- Research in datasets, unveils enduring enterprises and their resilience through centuries of historical transformations.

HACKATHONS

SunHacks International Level

Nov 2022

Uplifting Happiness Index

Nashik, India

- Participated in SUNHACKS – 2022, presenting a Python-based Deep Learning Model at Sandip University's Hackathon.
- Coordinated model development, achieving **25%** well-being accuracy gain through rigorous data analysis with the team.
- Enhanced well-being with facial analysis, speech recognition, achieving **96% training, and 92% in testing** accuracy.

Smart India Hackathon

Aug 2022

Moving Vehicle Registration Plate Detection

Greater Noida, India

- Distinguished participation in a National Level Hackathon, securing Grand Finalist status among 50 – competing teams.
- Developed, **with the team**, an innovative solution using **YOLOv7** to **detect text on moving vehicle plates**.
- Achieved an impressive **precision rate of 98%**, enhancing safety and operational efficiency in **mining operations**.

CERTIFICATIONS

- **Data Scientist Professional with Python Certification By DataCamp.**
- **Employability Skill Development Certification By Rubicon.**
- **Google Associate Android Developer Certification By LinkedIn.**
- **IT Security: Defense against the digital dark arts Certification By Coursera.**

TECHNICAL SKILLS

- **Expertise:** Data Science, Machine Learning, Deep Learning, NLP, Software Development, Data Analysis, Computer Vision, Image processing, Statistics, Financial Analysis, Information Security, IoT, App Development, Web Development
- **Languages:** Python, Java, C, C++, HTML, CSS, JavaScript, SQL, Kotlin
- **Developer Tools:** Tableau, PowerBI, Eclipse, Anaconda, Cloud (AWS & GCP), Android Studio, NetBeans, Latex
- **Technologies:** Linux, Jenkins, GitHub, JUnit, WordPress, MongoDB, Docker, Hive, Kafka, Hadoop
- **Frameworks:** Flask, Tensorflow, PyTorch, Keras, YOLO