

HIMANSHU SALUNKE

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EDUCATION

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

Dec 2021 – Jun 2024

Bachelor of Technology in Data Science

CGPA: 7.17/10

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

Dec 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.

Uplifting Happiness Index | Python, Pandas, NLTK

Nov 2022

- Developed an innovative solution for Uplifting Happiness Index Detection, emphasizing facial and speech analysis.
- Utilized facial analysis, speech recognition, and **NLTK** techniques to enhance precision in well-being assessment.
- Achieved a model accuracy of **70.13%**, showcasing the effectiveness of facial analysis and speech recognition components.

Moving Vehicle Registration Plate Detection | Python, Pandas, YOLOv7

Aug 2022

- Developed a **Deep Learning** solution for Moving Vehicle Plate Detection tailored for **Coal India Limited** needs.
- Utilized **YOLOv7** architecture for precise Moving Vehicle Plate Detection, ensuring accurate text identification.
- Achieved an impressive **precision rate of 98%**, enhancing safety and operational efficiency in **mining operations**.

CERTIFICATIONS

- Google Data Analytics Certificate
- Data Scientist Professional Certification By DataCamp.
- IT Security: Defense against the digital dark arts Certification By Google.
- Employability Skill Development Certification By Rubicon.

TECHNICAL SKILLS

- **Expertise:** Machine Learning, Deep Learning, NLP, GAN, Data Science, Data Analysis, Computer Vision, Image processing, Statistics, Financial Analysis, Microsoft Excel, Business Intelligence, Big Data, Data Warehousing, Data Modeling, Web Development, Software Development, App Development
- **Languages:** Python, Scala, Java, C, C++, HTML, CSS, JavaScript, SQL, Kotlin
- **Developer Tools:** Tableau, PowerBI, Eclipse, Anaconda, Android Studio, NetBeans, Latex
- **Technologies:** Linux, GitLab, Google Cloud, AWS Cloud, Jenkins, GitHub, MongoDB, Docker, Hive, Elasticsearch, Kafka, Hadoop, Kubernetes
- **Frameworks:** Flask, Tensorflow, PyTorch, Keras, YOLO

LEADERSHIP AND ACTIVITIES

- Addressed diverse challenges of **50+ clients** until now through personalized online consultations on **Topmate**.
- Executed **10+** freelance projects in IoT and software domains, specializing in ML and DL applications, developed predictive maintenance models that reduced machine downtime by **25%** and saved **15k** annually.
- **Led and coordinated** an Internal Hackathon for Smart India Hackathon - **2023**, overseeing **85 teams**, fostering innovation, and promoting collaboration among participants for impactful solutions.
- Participated in **SUNHACKS - 2022**, an **International Level Hackathon** held at Sandip University, securing **Grand finalist status among 15 teams**.
- Distinguished participation in the **Smart India Hackathon - 2022**, securing **Grand Finalist status at the National level, among 50 competing teams**.