HIMANSHU KISHOR SALUNKE

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TECHNICAL SKILLS

- **Expertise**: Machine Learning, Deep Learning, Data Analysis, Microsoft Excel
- **Languages**: Python, Scala, SQL, Java, C, C++, HTML, CSS
- **Developer Tools**: Tableau, PowerBI, Looker Studio
- **Technologies**: Linux, BigQuery, Amazon Athena, AWS GLue, AWS Lambda, Amazon S3, Docker
- **Frameworks**: Flask, Tensorflow, PyTorch, Keras, YOLO, scikit-learn

PROJECTS

Layoff Analysis | [Link](#)   **Python, Matplotlib, Seaborn, Plotly**
- Analyzed layoff trends from **2020 - 2024** to guide strategic decision-making and identify underlying patterns.
- Employed **outlier detection and time series analysis** to uncover critical workforce trends and insights.
- Developed interactive visualizations revealing a **30% increase** in layoffs from **2022** - across different industries.

Sentiment Analysis using Bert | [Link](#)   **Python, Deep Learning, Pandas**
- 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.

Moving Vehicle Registration Plate Detection | [Link](#)   **Python, Pandas, Yolov7**
- Developed a Deep Learning model for Vehicle Number Plate Detection with the team at Smart India Hackathon - 2022.
- 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.**

Uplifting Happiness Index | [Link](#)   **Python, Pandas, NLTK**
- Created an innovative solution for uplifting the Happiness Index with the team at SunHacks Hackathon - 2022.
- 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.

CREDENTIALS

- **DataCamp Certified: Associate Data Analyst** | [Link](#)   *May - 2024*
- **DataCamp Certified: Associate Data Engineer** | [Link](#)   *May - 2024*
- **Google Business Intelligence Certification** | [Link](#)   *April - 2024*
- **Google Data Analytics Certification** | [Link](#)   *Feb - 2024*
- **Data Scientist Professional Certificate** | [Link](#)   *Oct - 2023*

EDUCATION

R. C. Patel Institute of Technology, An Autonomous Institute   Shirpur, India
Bachelor of Technology in Data Science ***CGPA: 7.17***   *Dec 2021 - Jun 2024*

R. C. Patel Polytechnic   Shirpur, India
Diploma in Computer Science ***CGPA: 9.4***   *Aug 2017 - May 2021*

LEADERSHIP AND ACTIVITIES

- **Led and coordinated** an Internal Hackathon for **Smart India Hackathon - 2023**, overseeing **85 teams**, fostering innovation, and promoting collaboration among participants for impactful solutions.
- Spearheaded a cross-functional effort at **SUNHACKS - 2022**, a prestigious International Level Hackathon conducted at Sandip University, secured **Grand Finalist recognition among 15 elite teams**, showcasing exceptional teamwork and technical acumen.
- Distinguished participation in the **Smart India Hackathon - 2022**, securing **Grand Finalist status at the National level, among 50 competing teams.**