SAHIL KARALE

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Recent graduate with strong skills in data analytics, proficient in Power BI and Excel. Experienced in data collection, manipulation, visualization, and interpretation. Quick learner passionate about leveraging data to drive business insights and contribute to organizational success.

Education

RAJIV GANDHI INSTITUTE OF TECHNOLOGY *Jun 2024*
Bachelor of Engineering in Electronics and Telecommunication Engineering. Mumbai, MH
Cumulative GPA: 8.95/10
Honors in Artificial Intelligence and Machine Learning.

Relevant Coursework

- Data Analysis
- Database Management
- OOPS
- ML

Experience

Internship Studio *April 2024 - May 2024*

- Successfully completed a comprehensive internship focused on machine learning applications and methodologies.
- Demonstrated strong analytical and problem-solving skills.

Projects

Sign Language Detection | *TensorFlow, Keras, Scikit-learn, Python, OpenCV* **November 2023**

- Utilized TensorFlow and Keras to design and implement a convolutional neural network (CNN) for accurate recognition and classification of sign language gestures.
- Used Python and OpenCV for data preprocessing and feature extraction, implementing Support Vector Machine (SVM) and CNN algorithms to achieve high accuracy in real-time detection.

Human Resources Insights | *Power BI, Excel* **January 2024**

- Utilized Power BI Desktop to analyze employee headcount, retention, and turnover data, providing insights into workforce dynamics and trends.
- Generated comprehensive reports and visualizations, including headcount distribution by department, job level, and location, as well as employee demographics such as gender, age, race, education level, and marital status.

Technical Skills

Languages: Python(Advanced), Intermediate Proficieny in SQL for databases, Java
Developer Tools: VS Code, Jupyter Notebook, Power Bi
Data Analysis and Visualization : Numpy, Pandas, Matplotlib, Seaborn
Quantative Ability: Statistics, Probability, Linear Algebra

Certifications

- 100 Days of Code: The Complete Python Pro Bootcamp, Power Pivoting: Microsoft Power BI for Career Changers, Microsoft Excel, The Ultimate MySQL Bootcamp - Udemy.com
- Introduction to Statistics (Coursera)

Publication

- Sparsh Doshi, Harsh Jaiswar, **Sahil Karale**, Sohan Maurya, Prof. Sneha Burnase, **"Sign Language Detection Using Deep Learning and Machine Learning"**, INTERNATIONAL JOURNAL OF INNOVATIVE SCIENCE AND RESEARCH TECHNOLOGY(IJISRT), Volume 9 Issue 5(ISSN: 2456-2165), May 2024.