Sourav Kumar

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About

Passionate AI/ML engineer with expertise in data analytics, web scraping, and machine learning operations (MLOps). Proficient in Python, TensorFlow, and Scikit-learn, seeking a challenging role to innovate and develop advanced AI solutions.

Education

B.Tech Bihar Engineering University, Computer Science Engineering   2021 – 2025

Experience

Microsoft FRT Program Completed a virtual AI internship program focusing on AI, cloud computing, and data analytics.   Virtual Internship

Salesforce Developer Developed and customized Salesforce applications using Apex and Lightning components. Gained experience with data modeling and integration techniques.   Salesforce Internship

Projects

Emotion Detection Using Deep Learning   github.com/singhsourav0 ↗

- Developed a deep learning model for detecting human emotions using CNN transfer learning.
- Real-time face detection implemented with OpenCV; deployed on a cloud platform.

House Price Prediction   github.com/singhsourav0 ↗

- Developed a custom pipeline for predicting house prices using scraped 99acres data.
- Processed data, engineered features, and trained models with Scikit-learn.
- Deployed on AWS with GitHub and DVC for version control and reproducibility.

WhatsApp Chat Analyzer   github.com/singhsourav0 ↗

- Analyzed sentiment trends, group dynamics, and frequent topics from chat data.
- Designed an interactive web dashboard for insights using Python and data visualization.

YouTube Comments Sentiment Analysis   github.com/singhsourav0 ↗

- Built a Chrome plugin for analyzing YouTube video comments.
- Provided influencers with actionable insights from vast comment data.

Technologies

Languages: Python, C++, SQL

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Frameworks and Tools: Git, Docker, Power BI, MySQL, Kubernetes, Mlflow, DVC, Amazon SageMaker, Databricks

Cloud Platforms: AWS, GCP,