AJAY KUMAR PRASAD

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OBJECTIVE

Enthusiastic and driven data science fresher with strong foundational knowledge in machine learning, deep learning, data analysis, and cloud computing. Seeking an entry-level position where I can apply my skills in data science and analytics to solve real-world problems and contribute to the success of a dynamic team.

SKILLS

Programming Languages: Python, R, SQL, JavaScript
Web Development: HMTL5, CSS3, React.js, MangoDB
Data Science & Machine Learning: Scikit-learn, TensorFlow, Keras, Pandas, NumPy, Matplotlib, Seaborn
Deep Learning: Convolutional Neural Networks (CNN), RNN, ANN, LSTM
Big Data Tools: Hadoop, Apache Spark
Cloud Platforms: AWS, Google Cloud, Azure
Data Manipulation & Analysis: Advanced SQL, ETL processes, Data Warehousing
Version Control: Git, GitHub
Operating Systems: Linux, Windows
Other Tools: Tableau, Power BI, Flask, SQLite

PROJECTS:

AI Intelligence Based Decision -Making: ⬦ GitHub

- ➢ Designed and implemented an AI-based system for real-time video data processing and decision-making.
- ➢ Utilized Python, OpenCV, Machine Learning, Web Design, IoT, and Database technologies.

Smart Stack Warehouse solution (Industrial Problem): GitHub

- ➢ Developed a GUI-based website and app to digitize warehouse management and enhance productivity.
- ➢ Technologies: Python (Flask), IoT, Web Design (CSS3, HTML5, JavaScript), SQLite, Firebase.

Facial Recognition Attendance system on CNN-based: ⬦ GitHub

- ➢ Developed a facial recognition system for efficient attendance marking.
- ➢ Technologies: Python, Machine Learning, OpenCV, SQLite Database.

Image Classification for Security Surveillance (Industrial Problem): ◇ **GitHub**

- ➤ Developed and trained CNN models to classify objects in real-time surveillance footage with 95% accuracy, enhancing threat detection for security systems.
- ➤ Technologies: Python (TensorFlow, Keras), OpenCV, Deep Learning.
- ➤ Integrated with real-time monitoring systems for immediate alerts.

E-commerce Sales Analysis (Industrial Problem): ◇ **GitHub**

- ➤ Processed and analyzed large-scale sales data using Hadoop and Apache Spark, deriving insights that led to a 15% increase in sales through optimized inventory management.
- ➤ Technologies: Python, Hadoop, Apache Spark, SQL.
- ➤ Created data visualizations to support strategic decision-making.

Real-Time Traffic Monitoring System (Industrial Problem): ◇ **GitHub**

- ➤ Developed and deployed a real-time traffic monitoring system using CNN models to analyze and classify traffic conditions from video feeds, improving traffic management and congestion prediction.
- ➤ Technologies: Python (TensorFlow, Keras), OpenCV, Deep Learning.
- ➤ Integrated with a dashboard for real-time visualization and alerts.

EDUCATION:

Bachelor of Technology in Computer Engineering, Mumbai | 2022-2026

- ➤ Vishwaniketan Institute of technology entrepreneurship and engineering technology (University of Mumbai)

TECHNICAL EXPERIENCE

Data Analysis Certification
Microsoft and LinkedIn

- ➤ **Developed Proficiency in Data Analysis:** Acquired hands-on experience in data cleaning, visualization, and statistical analysis, enabling effective handling and interpretation of complex datasets.
- ➤ **Utilized Advanced Tools and Techniques:** Applied Python, NumPy, and pandas for data manipulation and analysis, enhancing capabilities in building predictive models and deriving actionable insights.
- ➤ **Applied Knowledge to Real-World Scenarios:** Worked with real-world datasets to generate insights and solutions, demonstrating practical skills in data-driven decision-making and problem-solving.

Participant in Accenture North America Job Simulations
Accenture |Data Analyst | Virtual Internship | June 2024 - July 2024

- ➤ Engaged in simulated job scenarios to understand the dynamics of the consulting and data analytics roles.

- ➢ Worked on a project, created a PowerPoint presentation, and presented it to a panel.
- ➢ Developed and presented data insights using advanced Excel functions and visualization tools like Tableau.

EXTRA-CURRICULAR ACTIVITIES:

- ➢ **Winner of VAP 2023** Project Exhibition in IoT Project Voice Control robot integrated with ChatGPT.
- ➢ Participated in the Rajasthan Police **Hackathon**.
- ➢ Certified in AI & Automation in MS Excel.
- ➢ **Join National service schema(NSS):** engaged in community service project, including organizing and participating in Health Awareness.