SUJAY SHRIVASATAVA

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EDUCATION

Engineering Science: Data Science, University at Buffalo, The State University of New York, Expected June 2024
- GPA - 3.3/4.0
- Relevant course work : Statistical Learning, Python Programming, Probability Theory, Numerical Mathematics, Data Intensive Computing, Data Models Query Language, Machine Learning

Bachelors in Pharmacy: Pharmacy, Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal, May 2022
- GPA - 3.2/4.0

TECHNICAL SKILLS

- Programming Languages: Python, R, MATLAB, SQL(PostgreSQL, SQLite, MySQL), C, HTML, CSS
- Frameworks: TensorFlow, Keras, opencv, PyTorch, Orfeo Toolbox, Apache Hadoop, Apache Spark, GDAL, NLTK, spaCy, TextBlob
- Tools: Metabase, Mixpanel, Zoho, Notion, IBM Watson Studio, Docker, Excel, Power BI, Tableau, QGIS, Google Cloud Platform, DigitalOcean, AWS

RELEVANT EXPERIENCE

Graduate Research Assistant, SUNY at Buffalo, Buffalo, New York: September 2023 - Present
- Pioneered Computer Vision-based methodologies, in collaboration with Prof. Marc Bohlen, enhancing predictive capabilities by 20%, focusing on satellite imagery and seamless image segmentation
- Integrated QGIS and Orfeo to achieve an annotation and image segmentation pipeline with 25% enhancement in accuracy, addressing a critical bottleneck in research

Data Analyst Intern, Curelink, Gurugram, Delhi - NCR: May 2022 - August 2022
- Analyzed and gave insights resulting in decision to close a non-profitable department and reallocate resources saving approximately 0.5 million
- Initiated data synchronization between AWS and ZOHO CRM used for on-site operations, ensuring double verification to minimize redundancy and enhance data accuracy by 25%
- Developed live dashboards, with recursive and nested queries up to 8 levels deep, including dashboard for new customer retention department resulting in reduction of churn rate by 3%

Machine Learning Engineer Intern, TechGyaan, IIT Kharagpur, Remote: January 2021 - March 2021
- Preprocessed, cleaned and visualized data with more than 50k records for analysis of flight prediction
- Communicated to drive stakeholder consensus on low-bias model, achieving 15% accuracy boost
- Initiated seamless integration of model into backend via API with an average delay of 50ms

PROJECTS

Remote Work Analytics: Python, HTML, CSS
- Communicated results of preferable work setting dataset consisting 73 features on dynamic website
- Established a pipeline via GitHub directly hosting visualization on google sites improving overall system responsiveness and latency by 10%

PUBLICATIONS

- Co-authored a paper titled "ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING IN MARKETING: A REVIEW OF RECENT ADVANCES AND FUTURE TRENDS" in the European Chemical Bulletin

ACTIVITIES

- Led team to secure 3rd place in Blackstone Launchpad competition for leveraging AI and ML
- Lead Marketing Volunteer at All India Congress of Obstetrics & Gynaecology 2022 for MediSage
- Served as Cultural Media Coordinator in sophomore year
- Elected Social Media Coordinator in junior and senior year
- Coached a team of 15 volunteers to organize Fall Mixer event for 200 plus incoming freshmen