Abhinav Borad

Stony Brook, NY 11790
+1-631-640-5798 abhinavborad7@gmail.com https://linkedin.com/in/AbhinavBorad https://github.com/MACJACKER

Summary

Aspiring Machine Learning Engineer with a strong foundation in computer engineering and experience as a Data Analyst. Proficient in Python, SQL, and statistical modeling, with a track record of improving data processing time and accuracy. Currently focused on enhancing machine learning skills through advanced projects, aiming to transition into roles that leverage these capabilities. Eager to apply analytical and programming expertise to develop innovative machine learning solutions.

Education

Stony Brook University **Aug 2023 - Present**
Master of Science, Data Science
- **GPA:** 3.0+

Malla Reddy Engineering College **Jul 2018 - Jun 2022**
Bachelor of Technology, Computer Science
- **GPA:** 3.0+

Experience

Stony Brook University **Aug 2023 - Present**
Graduate Research Assistant *Stony Brook, NY*
- Engineered efficient SQL queries to extract cohorts from datasets containing billions of records, reducing processing time by 30%.
- Conducted statistical modeling using Python on datasets over 1 million records, aiding published research on health disparities.
- Improved data reliability and accuracy by collaborating with a team to refine research methodologies.
- Analyzed 500,000+ records to uncover key trends and insights, guiding strategic research decisions effectively.

3S Data Cloud **Jul 2022 - Jul 2023**
Data Analyst *Hyderabad, Telangana*
- Streamlined data cleaning and processing workflows using SQL and Excel, ensuring consistent data quality for projects.
- Ensured data integrity by checking for errors, missing values, and inconsistencies, thereby increasing the data accuracy by over 40%.
- Conducted cost analysis, achieving a 10% reduction in expenses through optimized resource allocation strategies.
- Maintained detailed documentation of processes, methodologies, and data analysis results.

Projects

Navigating New York: A Multidimensional Study of Transit Choices **Dec 2023**
- Analyzed over 10 million records, revealing a 25% rise in app-based vehicle usage and demographic travel patterns.
- Performed geographical analysis, uncovering a 30% increase in subway use in lower-income areas.
- Built regression models to forecast transit demands with 85% accuracy, aiding future urban planning efforts.

Emotion Recognition: Textual Tweets Classification **Mar 2022**
- Achieved 89% accuracy and a 91% F1 score in classifying emotions from a large volume of textual data.
- Built predictive models that cut overspending by 15%, enhancing financial control and budget planning.
- Developed a real-time web interface using Django to display emotion recognition results effectively.

Publications

- Travelling Salesperson Problem using Soft Computing- Genetic Algorithm Techniques. *Published in IEEE ICAC3N, March 2023*
- Building Semantic Knowledge Base for Visual Perception-using Web Ontology Language. *Published in Scopus (International Journal of Intelligent Systems and Applications in Engineering), Dec 2022*
- Early-Stage Ischemic Stroke Prediction using Convolution Neural Network. *Published in IEEE ICCES, July 2022*

Skills

- **Database**: Jupyter Notebook, RStudio, Google Cloud Platform
- **Languages**: Python, SQL, R, Java, C, HTML/CSS, JavaScript, React.js
- **Tools**: GitHub, PostgreSQL, Excel
- **OS**: Windows, Linux