SHYAM PRASAD S

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LinkedIn

Data Scientist with three years of experience in analyzing large datasets and coming up with data-driven decision insights for companies. I am skilled in collaborating with cross-functional teams, mentoring junior team members, and providing guidance on data quality. My expertise in data science enables me to drive innovation and improve outcomes through data-driven approaches.

- Python
- Regression Analysis
- Deep Learning
- Tableau
- Decision Making

- Data Analysis
- EDA
- Keras
- Excel
- OpenCV

- Statistical Analysis
- Machine Learning
- SOL
- Pytorch
- Predictive Modelling

PROFESSIONAL EXPERIENCE

Data Science - Subject matter Expert

SkillAlgo

Freelance

- Responsible for understanding the business needs of the organization, its goals, and its expectations from the curriculum
- Designing the technical and ML curriculum for the data science team. This would include identifying the technical and ML concepts to be covered, the depth of coverage, and the order in which the topics should be covered. Designing assessments and evaluations to test the team's understanding of the material, with a focus on practical applications of the technical and ML concepts. Creating technical and ML content for the curriculum that is easy to understand and follow, with a focus on hands-on exercises, projects, and real-world applications. This also includes developing technical and ML presentations, creating learning modules, and preparing ML models and code examples to reinforce concepts
- Responsible for delivering the training to the team. Also, be available to answer technical and ML questions and provide feedback to the team members throughout the learning process. You would also work on mentoring the team members to help them apply their technical and ML knowledge to real-world business problems
- Monitoring the effectiveness of the technical and ML curriculum and making necessary adjustments based on feedback from the team and changes in the business needs of the organization. This would include staying up to date on new developments in the field of data science and incorporating them into the curriculum, with a focus on new technologies and ML concepts and tools that could benefit the organization
- Learning Analytics for Curriculum Development: Developed a learning analytics framework to evaluate the effectiveness of curriculum materials. The framework uses student performance and engagement data to identify areas where the curriculum can be improved. The project resulted in a 25% improvement in student outcomes and a 10% reduction in curriculum development time

Data Science Associate

SkilloVilla

Nov'21- Feb' 23

- Comprehension of large data sets to get insights and share the same with the stakeholders for their business use
- Evaluate the overall outcome of the end users by building various performance matrices (**Impact: Increased the response rate from the end user to 3x**)
- Creation of data flow and logs to gauge the overall performance and workings of the stakeholders
- Building dashboards to share insights with the management to implement and trigger new initiatives
- Uplifting the performance of the end users to maintain the product value
- Change Management in terms of maintaining the growth prospects of the students
- Collaboration with external and internal mentors to understand the gap in the curriculum to make it industry ready (Impact: The drop out ratio of students amidst the curriculum reduced to 5%)
- Implemented Discord as a communication channel to inculcate the habit of inclusion and communication within the

batchmates.

- Developed a highly effective machine learning model designed to optimize lead conversion.
- Demonstrated expertise in machine learning algorithm selection and implementation aspects throughout the model-building process.
- Design and develop data science solutions to solve complex problems in the education sector using data-driven approaches.
- provide guidance on data quality to ensure that the data being collected is accurate and reliable.
- collaborate with other teams, such as product development, engineering, and customer support, to ensure that data science solutions are integrated into the broader ecosystem.

Projects

- Learning Analytics Dashboard: Led the development of a learning analytics dashboard that provides teachers with real-time insights into student performance. The dashboard displays student data in a user-friendly interface, allowing teachers to quickly identify areas where students need additional support. The project resulted in a 25% increase in teacher efficiency and a 15% improvement in student outcomes.
- **Predictive Analytics for Student Retention:** Developed a predictive analytics model that identifies at-risk students and provides early intervention strategies to prevent dropout. The model uses a combination of demographic, academic, and behavioral data to identify students who are at risk of dropping out. The project resulted in a 20% decrease in student dropout rates.
- **Drowsiness detection model:** Developed and trained a drowsiness detection model using a CNN approach. Utilized facial recognition techniques to identify key patterns and landmarks associated with drowsiness, such as drooping eyelids and head tilting. Trained the model on a dataset of images of both alert and drowsy individuals.

SME Freelance May'20 - Aug'21

- Providing guidance and support to mentees as they learn and develop their data science skills.
- Sharing industry knowledge and best practices for data science.
- Connecting mentees with relevant resources and networking opportunities.
- Helping mentees to build a network.

EDUCATION

John Moors Liverpool University Master of Science in Data Science CGPA: 3.25/4.0	Liverpool Nov - 2023
International Institute of Information Technology Bengaluru Post-graduation in Data Science CGPA: 3.5/4.0	Bengaluru Mar 2023
Acharya Institute of Technology B Tech in Mining	Bengaluru Aug 2020