

# AVS Jagannath

## Data Scientist

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### Profile

Passionate and adaptable Mechanical Engineer with 4+ years of experience in Production Engineering. Eager to apply analytical skills to real-world problems as a Data Scientist. Dedicated to leveraging diverse expertise for impactful solutions.

### Skills

- Data Visualization Tools(Tableau,Microsoft Power BI)
- Data Visualization Library(Seaborn Plotly)
- Database Management Systems(MySQL, MongoDB NLP and Deep Learning)
- Programming skills(Python, SQL Machine Learning Regression models, Classification models)
- Soft Skills(Analytical Thinking, Problem Solving, Adaptability, Continuous Learning, Time management, Teamwork)
- Version Control(Git)

### Projects

#### Mood For Music Recommendation

##### Description

- Led the development of "MoodforMusic," an application leveraging CNN and Random Forest models to detect user mood from images and recommend personalized music, enhancing emotional experiences.
- Developed a Random Forest Classifier for music recommendation, achieving 79.7% accuracy on the test set, and a CNN model for mood detection from images, attaining 87% training accuracy and 85% validation accuracy.
- Deployed the application using Flask in Visual Studio, showcasing proficiency in full-stack development and deployment, and summarized the workflow in comprehensive documentation.

##### Tools Used

- Python (Pandas, Scikit-learn, Matplotlib, NumPy, TensorFlow)
- Flask
- Visual Studio

##### Features

- Random Forest Classifier for music recommendation
- CNN model for mood detection from images
- Data augmentation techniques for training data expansion

### Professional Experience

#### Internship, iNeuron Intelligence Pvt Ltd

07/2024

Completed a two-week intensive Data Analysis internship at iNeuron Intelligence Pvt Ltd, focusing on Entertainer Data Analysis. Demonstrated strong analytical skills and the ability to quickly learn and apply new concepts in a professional setting.

##### Achievements:

- Successfully completed Entertainer Data Analysis project, demonstrating proficiency in data processing and visualization techniques.
- Implemented industry-standard practices in a real-world business context, showcasing adaptability and quick learning abilities.
- Received recognition for excellent performance and timely project delivery, highlighting strong work ethic and project management skills.

#### Production Engineer, Rajan Techno Cast Pvt. Ltd.

12/2021 – 05/2023 | Rajkot, India

- Generated 26 Excel reports monthly, pivotal in informing decision-making processes.
- Oversaw 70 manpower and conducted inspections for dimensional 95% accuracy and visual quality.

#### Production Engineer,

Bhagat Fabrication (Contractor for ISGEC) Pvt. Ltd.

10/2019 – 11/2021 | Yamuna Nagar, India

- Managed the workflow by assigning responsibilities and preparing schedules with an accuracy of 90 %.
- Materials, including welding electrodes and filler wire, supplied in accordance with specifications, maintaining strict adherence to safety guidelines and company standards.

### Education

#### Bachelor of Engineering - Mechanical, Seth Jai Parkash

Mukand Lal Institute Of Engineering And Technology, Kurukshetra University

Radaur, India

#### Diploma in Mechanical Engineering, Seth Jai Parkash

Polytechnic, Haryana State Board of Technical Education, Panchkula

Damla, India

### Courses

Data Science, UpGrad

Excel & Power BI, Skill Course