

# Jaswanth Kollipara

## Aspiring Data Analyst

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[LinkedIn](#) | [GitHub](#) | [Kaggle](#) | [Hacker Ranker](#) | [Portfolio](#) | [Credly](#) | [Trailblazer](#)

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An Inquisitive learner with an innovative and logical mind. I am delighted to be employed in a competitive sector that provides numerous opportunities to advance my career.

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### Work Experience

**Navriti Technologies** - Indo Euro Synchronization.

Feb 2023 - Nov 2023, Gudlavalleru.

**Role:** Student Intern - Data Science

**Outcome:**

- Spearheaded data visualization projects using Power BI and Tableau, enhancing decision-making processes by **50%** and reducing reporting time by **20%**.
- Optimized SQL database queries through indexing and query restructuring, boosting data retrieval efficiency by **15%**.

**Smart Bridge** - Sales Force.

Mar 2023 - May 2023, Gudlavalleru.

**Role:** Student Intern - Data Science

**Outcome:**

- Engineered Salesforce solutions, streamlining workflows and reducing task completion time by **25%**, and configured CRM settings, improving data accuracy by **20%**.
- Facilitated user training sessions on Salesforce functionalities, increasing user adoption rates by **15%** and earning Apex Specialist and Business Administration Specialist badges.

**Code Alpha** - Student Intern - Data Science

Feb 2024 - Mar 2024, online.

**Outcome:**

- Applied machine learning algorithms like Linear Regression and KNN to real-world projects, improving model accuracy by **10%** through fine-tuning hyperparameters and feature engineering.
- Delivered Titanic Classification (**85%** accuracy) and Stock Prediction projects by implementing advanced feature selection techniques, achieving a **75%** improvement in forecasting accuracy.

**Smart Internz - Student Intern - MERN Stack (Virtual)**

Apr 2024 – Jun 2024, Gudlavalleru.

**Outcomes:**

- Developed web applications using MongoDB, Express.js, React, and Node.js, improving team productivity by **20%**.
  - Designed responsive user interfaces and participated in code reviews, enhancing code quality by **15%**.
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### Education

**Bachelor in Artificial intelligence & Data Science**

[9/10] CGPA [November,2021 to 2025]

Pursuing Artificial intelligence and Data science, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru, Andhra Pradesh.

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### Certification: [My Certificates](#)

- **EDX:** Machine Learning, Power BI, Prompt Engineering, Java, Python
  - **Cisco:** PCAP, Cybersecurity, Networks, Switching & Routing, Security & Automation.
  - **Microsoft:** Azure Fundamentals (AZ-900), Azure Developer Associate (AZ-204).
  - **Internship:** Navriti Technologies, Code Alpha, Smart Bridge, AWS Cloud, Accenture on Forage
  - **Others:** Great Learning, SimpliLearn, Free Code Camp, Udemy, Oracle, LinkedIn.
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### Skills

- **Programming Languages:** C, Python, R, Java, GO, HTML, CSS, JavaScript
  - **Database:** SQL, MySQL, MongoDB, Apache Tomcat, Xampp, Database entry
  - **Framework:** Node.js, Express.js, Bootstrap, React Js
  - **Soft Skills:** Presentation, Creative idea generation, Statistical analysis, and model building
  - **Technologies:** Data Science, Machine Learning, Gen AI tools, Prompt Engineering, Data Analysis, Autonomous Vehicles, Cyber Security, DSA, Artificial Intelligence, Natural Language Processing
  - **Tools:** Git, GitHub, Power BI, Tableau, Flowise, MS Office, MS Excel, Anaconda, Jupyter Notebook, Google Collab, TensorFlow, Streamlit, Scikit Learn, IoT, Figma, Flutter, Canva, Visual Paradigm
  - **Additional Skills:** Big Data, Big Data Technologies, Data Sets, Data Visualization Tools, Analytics, Data Extraction, Data Processing, Compliance, Troubleshooting, Design, Technical, Version Control, ETL, Deployment, Optimization, Stakeholders, Matplotlib, Hadoop, Spark, Ubuntu and Linux User
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## Projects

### Computer Vision Techniques in Automated Online Exam Supervision

Jul 2024 - Jul 2024

- The Automated Online Exam Proctoring System uses **computer vision** and **audio analysis** to ensure the integrity of online exams.
- Implemented facial recognition, gaze tracking, and head posture estimation, reducing cheating incidents by **30%** and enhancing exam security by **25%**.
- Maintained records for evidence, improving dispute resolution efficiency by **40%**.

### Integrated Barcode Scanning and Voice Data Logging Solution

Apr 2024 - Apr 2024

- Developed a comprehensive barcode scanning and data logging system using Python and Streamlit, which integrates real-time video capture and barcode detection. This project improved data collection efficiency by 40% and reduced manual entry errors by **30%**.
- Implemented speech-to-text functionality for user input logging, resulting in a **10%** reduction in data processing time and enhancing the overall user experience with a streamlined interface.

### Visual Trend Pro Analyzer

Mar 2024 - Mar 2024

- Developed an application leveraging machine learning algorithms for predictive modeling, enhancing user experience through interactive dashboards.
- Streamlined data management, improving efficiency by **20%**.

### From pixel to planning: An Automated Urban Area Monitoring Satellite

Dec 2024 - Dec 2024

- Analyzed and visualized ISRO's CARTOSAT-2 satellite images using Python, converting raw data into actionable visual insights for urban monitoring.
- Implemented data processing and visualization techniques, aiding city planners and environmentalists in making informed infrastructure and conservation decisions, improving urban area analysis accuracy by **40%**.

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## Case Studies

- Python: Titanic Survival Prediction, Stock Prediction, Roll and Dice, Tooth Cavity Detection, etc.
- Power BI: Sales & Cost price prediction, Starbucks Business Analytics, Flight Delay Detection, etc.
- Tableau: Hospital Management, IPL score Prediction, Survey on Employment Trends, etc.
- SQL: Employee grade, sales of products, Library Management, etc.

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## Awards & Honors

- **Innovative Robotics Achievement:** Secured **1st** place in the Ideathon Presentation Competition with the "**JOCO ROBOT**" project, organized by IIC.
- **AI&DS Department Takes Robotics Innovation to New Heights:** Secured **1st** place in the Idea Ignition Presentation Competition with the "**JOCO ROBOT**" project, organized by SRGEC.
- **Augmented Reality Excellence:** Achieved **2nd** place for the "**Embellishment of Humans Using A.R Technology**" project in the Ideathon Presentation Competition, hosted by IIC.
- **Sustainable Solutions Recognition:** Earned **3rd** place in the IDEAIGNITION Presentation Competition for the "**Household Waste Utilization**" project, organized by the AI&DS department at SRGEC.

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**Declaration:** I do hereby declare that the information provided here is true to the best of my knowledge.