Indanam Durga Prasad

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Summary

Computer Science Engineering student with strong foundations in machine learning, data visualization, and web technologies. Proven ability to deliver impactful projects through collaborative problem-solving, with experience in Python, SQL, HTML/CSS, and Power BI. Passionate about creating AI-driven solutions and contributing to innovative tech environments.

Technical Skills

- **Languages:** Python, C
- **Web Development:** HTML, CSS, JavaScript
- **Database:** SQL
- **Tools:** Power BI, Git, VS code
- **Soft Skills:** Collaborative Leadership, Adaptive Thinking

Education

B.Tech – Computer Science and Engineering   2021 – 2025
KKR & KSR Institute of Technology and Sciences, GPA: 8.47/10

Projects

Railway Track Condition Monitoring System
Technologies: Python, AI/ML, Image Processing, Real-Time Alert Systems

- Developed a real-time AI system to detect railway track defects using image processing techniques.
- Achieved 90% detection accuracy, improving safety and reducing derailment risk.
- Designed alert systems to notify teams for preventive maintenance, minimizing service disruptions.

Multi-Layered Authentication System
Technologies: Python, OpenCV, ML, Image Processing

- Built a gesture-based facial authentication system eliminating dependency on phone-based 2FA.
- Incorporated wave/blink detection with 85% accuracy, reducing unauthorized access by 70%.
- Enhanced overall user security and login convenience.

Internships

Machine Learning Intern – Feynn Labs   *Jan 2025 – Mar 2025*

- Developed and optimized ML models for predictive analysis and AI applications.
- Focused on data preprocessing, feature engineering, and model evaluation using Python and TensorFlow.
- Collaborated in a team to implement real-world AI solutions.

Data Visualization Intern – Brainovision   *June 2024 – July 2024*

- Delivered 20% clearer insights by building dashboards with Power BI and Python.
- Reduced data processing time by 25% via optimized ETL processes.
- Transformed raw datasets into impactful visualizations that supported decision-making.

Certifications

- Python Programming – CISCO
- SQL and Relational Databases – IBM
- Java – NPTEL
- Java Full Stack Development – Wipro

Achievements

- Finalist – Citizen Hack, Digital Summit by Miracle Software Systems
- Published in IJCRT – Research paper on Railway Track Monitoring System
- Best Prototype Award – 36-Hour Hackathon on Railway Monitoring System