

ABHISHEK GOGADA

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PROFILE SUMMARY

Engineering graduate with hands-on experience in software development, data analysis, testing, and AI-based applications through internships and academic projects. Familiar with Python, SQL, Excel, and web technologies, with a strong understanding of SDLC, problem-solving, debugging, and system analysis. Experienced in developing academic projects involving analytics, automation, and machine learning concepts. Quick learner with strong analytical and communication skills, seeking opportunities in software engineering, testing, support, analytics, and other technology-driven roles.

SKILLS

Python, SQL, Excel, Power BI, Data Analysis, Data Visualization, Machine Learning, SDLC, Problem Solving

EDUCATION

B. Tech – Methodist College of Engineering and Technology, Hyderabad | **GPA:** 7.0 | Aug 2023 – 2026

Diploma – Pallavi Engineering College, Hyderabad | **GPA:** 7.0 | Jun 2020 – Jan 2023

PROJECTS

Emotion-Aware Adaptive Learning Platform

- Built an AI-driven adaptive learning system using facial and text-based emotion detection
- Created an analytics dashboard to monitor learner performance, engagement, and identify at-risk users
- Implemented Q-Learning to adjust quiz difficulty based on user performance and emotional state
- Developed real-time emotion detection using OpenCV and DeepFace.

Online Payments Fraud Detection System

- Developed a fraud detection model using classification algorithms on transaction datasets
- Performed data analysis and preprocessing to identify fraud patterns and improve model performance
- Improved detection accuracy and reduced false positives through predictive modeling techniques

AI-Based Smart Agriculture System

- Built a precision farming system for irrigation automation and crop monitoring
- Applied predictive analytics to optimize crop yield and resource utilization
- Analyzed agricultural data to support efficient water management and crop health monitoring

RESEARCH PUBLICATION

Emotion-Aware Adaptive Learning Platform

- Published in International Journal of Scientific Research in Engineering and Management (IJSREM)
- DOI: <https://doi.org/10.55041/IJSREM59393>
- Proposed integration of affective computing and reinforcement learning for personalized learning systems

INTERNSHIPS

Front-End Development

- Developed responsive and interactive web interfaces using HTML, CSS, and JavaScript, improving usability, performance, and user experience across devices

AIML Virtual Internship

- Developed responsive and interactive web interfaces using HTML, CSS, and JavaScript, improving usability, performance, and user experience across devices

Embedded Systems Developer Internship

- Worked on embedded system design, hardware integration, and system implementation for real-time applications

CERTIFICATIONS

- Deloitte Data Analytics Job Simulation – Forage
- Foundations of Cybersecurity
- Introduction to Generative AI – Google
- Introduction to Python