MANAAL WAHEED KHAN

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EDUCATION

Stanley College of Engineering and Technology for Women, Hyderabad   **2021-2025**
Bachelor of Engineering – Computer Engineering | CGPA: 8.02

PROFESSIONAL EXPERIENCE

Frontend Developer Intern – Qualinsoft Technologies   **2024**
 • Built an e-commerce platform for electronic gadgets using ReactJS and NodeJS
• Designed interactive UI components and handled REST API integration for real-time inventory updates

ML Intern – YBI Foundation   **2023**
• Built ML models for vehicle mileage prediction and fake news classification
• Applied NLP techniques and regression algorithms using Python and Scikit-learn

RESEARCH EXPERIENCE

A Study of Different Techniques Used in Sports Video Analysis   **2025**
Co-author | Stanley College of Engineering and Technology for Women
• Explored a wide range of algorithms and methods for analyzing sports video footage, including player and object tracking
• Evaluated techniques based on accuracy, efficiency, and applicability in real-world sports scenarios
• Highlighted the transformative role of computer-assisted analysis in training, strategy building, and performance evaluation

Cybersecurity Research – Centre of Excellence, JNTUH   **2023**
• Investigated Log4j and MoveIt vulnerabilities, identified threat vectors, and proposed mitigation strategies
• Created technical reports on attack surfaces, response strategies, and active defense measures

PROJECTS

Gamify Your Life | *React, Firebase, Pixel Art*   **2025**
• Developed a gamified habit tracker with quests, XP, streaks, and celebration UI
• Implemented cloud functions for dynamic habit streak tracking

AI-Powered Sports Video Analysis | *Python, OpenCV, Streamlit*   **2025**
• Built AI models to detect and track players, classify actions, and generate real-time audio commentary

ERC20 Token Platform | *Solidity, Next.js*   **2024**
• Created and launched a custom ERC20 token with frontend integration for token sale

Garbage Type Prediction | *Python, ML*   **2024**
• Built an ML model to classify garbage into biodegradable, recyclable, and hazardous categories

Hacktoberfest Projects | *HTML, CSS, JS*   **2023**
• Contributed to open-source by building an e-commerce and recipe application during Hacktoberfest

Resume Builder with Roadmaps | *HTML, JavaScript*   **2023**
• Designed a resume builder with integrated internship and job roadmap suggestions
• Finalist in a 48-hour innovation sprint judged by T-Hub director (SU Knowledge Hub)

TECHNICAL SKILLS

Programming: Python, Java, C, Solidity, HTML, CSS, JavaScript
Tools & Frameworks: ReactJS, NodeJS, Figma, Canva, MySQL, SQL Server Integration Services
Libraries/Environments: OpenCV, Scikit-learn, Streamlit, TensorFlow, Ubuntu, Windows

RELEVANT COURSEWORK

Data Structures and Algorithms, Machine Learning, Deep Learning, Web Technologies, Operating Systems, Computer Networks, DBMS, Artificial Intelligence, Blockchain, Cybersecurity

EXTRACURRICULAR

Campus Lead – Edventure Park (2023), Treasurer – Street Cause Stanley (2022), Volunteer – Terminate Hunger Initiative (2025), Prompt Engineering Workshop – Participant (2023)