

# SINGITHAM HANISH



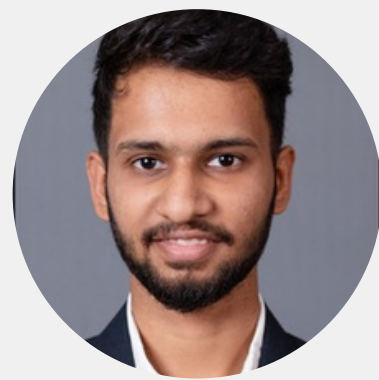
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## SUMMARY

Detail-oriented and adaptable Electronics and Communication Engineering graduate with a specialization in Artificial Intelligence and Machine Learning, seeking a Software Developer role. Experienced in software development and data analysis through internships at BSNL and Prodigy Infotech, with a solid foundation in Python, MATLAB, C, and R. Skilled in utilizing tools such as Microsoft Excel for data handling and visualization, and familiar with cloud computing platforms including AWS. Demonstrated ability to work across interdisciplinary domains, combining technical expertise with an analytical mindset to deliver efficient, scalable solutions. Strong leadership skills and a growing interest in business administration and management enable a strategic approach to problem-solving and team collaboration.

## EDUCATION

### Gitam Deemed To Be University

Bachelor's Degree in Electronics and communication engineering (AI/ML)  
2021 - 2025, Visakhapatnam

### Sri Viswa Jr College

MPC  
2019 - 2021, Visakhapatnam

### Indian Public School

2019, Sambalpur

## SKILLS

- Programming Languages: Python, Java, C, sql
- AI/ML Frameworks: TensorFlow, PyTorch
- Data Analysis & Visualization: Pandas, NumPy, Matplotlib
- Digital Signal Processing
- Communication Systems
- Tools: Microsoft Excel, Cloud Computing: AWS (based on your earlier message)
- Software Development & Machine Learning Techniques
- Collaborative and Independent Working Abilities.

## CERTIFICATIONS

- Python for Beginners: Variables and Strings
- Introduction to Computers and Office Productivity Software. (The Hong Kong University of Science and Technology)
- Presentation Skills: Designing Presentation Slides
- Write Professional Emails in English. (Georgia Institute of Technology)
- Everyday Excel (University of Colorado Boulder)
- Cloud Computing Training Program. (Excel R EdTech Pvt. Ltd. & APSCHE)
- (BSNL) - Hands-on training in telecom exchange systems and networking.
- Currently pursuing certification in SQL for data querying and database management.

## PROFESSIONAL EXPERIENCE

### Haptic Gloves for Virtual Interaction

- Built haptic gloves using Arduino, sensors, and vibration motors to simulate touch in virtual environments.
- Enabled real-time tactile feedback based on hand movements and object interaction.
- Improved immersion in VR/AR by allowing users to physically "feel" virtual objects.

### AI-Powered Drone for Tropical Fruit Ripeness Detection

- Built a drone system using AI to detect naturally ripened fruits through aerial imagery.
- Applied computer vision to classify fruit ripeness based on color and texture.
- Enabled efficient, chemical-free fruit monitoring in large orchards.

### DT Engineer | RF & Broadband Tester in Integrated wireless solution

- Performed RF drive tests (2G/3G/4G/5G) to assess coverage, quality, and handovers.
- Analyzed RF KPIs (RSRP, RSRQ, SINR, CQI) and supported network optimization.
- Conducted broadband testing (DSL/Fiber/Wireless) for speed, stability, and QoS.
- Troubleshoot RF and broadband issues, ensuring reliable connectivity.
- Prepared concise test reports and coordinated with ops teams for improvements.

## PASSIONS

- IEEE Signal Processing Society Membership
- Active involvement in technology and sports.
- University Football Sports Club Secretary
- Leadership role in university sports activities.
- Football and athletics State player, swimming, and judo district.
- Passionate about innovation and emerging technologies like AI, ML, and IoT.
- Enthusiastic participant in hackathons and competitive coding challenges.
- Committed to lifelong learning through online courses and tech webinars.
- Interested in tech blogging and sharing knowledge with the community.