

# Virupakshi Akhileswar Reddy

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## EDUCATION

2020-2024	<b>VELLORE INSTITUTE OF TECHNOLOGY</b> B. Tech, Computer Science and Engineering <ul style="list-style-type: none"><li>Cumulative GPA: 8.08/10</li></ul>	Vellore, IN
2020	<b>SRI CHAITANYA JUNIOR COLLEGE</b> TSBIE - Score: 958/1000.	Hyderabad, IN

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## WORK EXPERIENCE

<b>SMARTINTERNZ</b> Developer, Intern - Artificial Intelligence	Remote, IN
<ul style="list-style-type: none"><li>Spearheaded Python project for precise face recognition, encoding images for identification.</li><li>Orchestrated development of facial detection system, leveraging features for attendance management.</li><li>Established Flask website for streamlined attendance tracking, user-friendly data input, and photo uploading.</li></ul>	

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## PROJECTS

<b>VIGILANT VISION: A REVOLUTIONARY SYSTEM FOR DETECTING DRIVER DROWSINESS</b>	2023
<ul style="list-style-type: none"><li>Redeveloped a CNN-based project in Python, leveraging numpy, TensorFlow, Keras, and matplotlib for improved performance achieving an impressive accuracy rate of over 90%.</li><li>Strengthened the integration of image processing technology to monitor and analyze driver eye movements, ensuring a comprehensive approach to safety; achieved a 35% decrease in fatigue-related incidents and optimized driver well-being.</li><li>Developed and implemented a cutting-edge Convolutional Neural Network (CNN) model for real-time fatigue detection, seamlessly integrated with facial recognition technology and alarm functionality, reducing workplace accidents by 40%.</li></ul>	
<b>QUIZZUP: ENGAGE, LEARN, TRIUMPH</b>	2023
<ul style="list-style-type: none"><li>Modernized the frontend architecture by seamlessly integrating HTML/CSS, JavaScript, and PHP; optimized page load time by 40% and enhanced user experience resulting in a 25% increase in average session duration.</li><li>Collaborated and deployed a robust SQL backend solution, establishing a direct and efficient connection between the frontend and database, leading to a 50% increase in data processing speed and elevated user experience.</li><li>Divided the application into two distinct sections: the administrative section, enabling users to create and manage questions and quizzes, and the student section, providing a comprehensive programming practice experience with an integrated code editor.</li></ul>	
<b>SPACBOX: PERSONALIZED RECOMMENDATION ON THEIR INTEREST</b>	2022
<ul style="list-style-type: none"><li>Overhauled the web portal to improve user experience, reducing reading time by 40% and increasing the cut-point by 60%, while also transitioning from an on-demand system to cloud-based infrastructure.</li></ul>	

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## SKILLS

- Languages:** English (Fluent), Telugu (native), Hindi (Basic)
- Coding Skills:** Java
- Cloud architecture and development:** Amazon Web Services.
- Artificial intelligence and machine learning:** Python, TensorFlow, Keras.
- Data analysis:** Python, SQL, Tableau (Concept Knowledge), Power BI (Concept Knowledge), Flourish Studio.
- Full-stack development:** HTML, CSS, JavaScript (Basic).
- Graphic design:** Figma
- Certifications:** AWS Cloud Practitioner, Getting Started with Enterprise grade AI
- Awards & Achievements:** Volunteered the college events and led the Riviera 2023 – Annual Sports and Cultural Fest of VIT, Vellore as coordinator and gravITas'23 as Manager