

# MAHESWARI THOKALA

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## EDUCATION

<b>Texas Tech University</b> , Lubbock, Texas	Aug 2022 - May 2024
Master of Science in Computer Science	GPA - 3.5 / 4.0
<b>RVR &amp; JC College of Engineering</b> , Andhra Pradesh, India	Aug 2018 - May 2022
Bachelor of Technology in Information Technology	GPA - 3.4 / 4.0

## EXPERIENCE

<b>Frontend Developer - Texas Tech University   Lubbock, TX</b>	Aug 2023 - May 2024
<ul style="list-style-type: none"><li>Architected and deployed a scalable web-based educational system leveraging <b>HTML</b>, <b>CSS</b>, <b>Bootstrap</b>, <b>JavaScript</b>, <b>JSP</b>, <b>MySQL</b>, and <b>.NET</b>, enhanced user experience.</li><li>Integrated secure user authentication, dynamic content management, and interactive quizzes, resulted in a 50% boost in platform engagement and a 30% improvement in user retention rates.</li><li>Analyzed user feedback and conducted usability testing on an established online learning platform, resulting in a 20% improvement in user satisfaction.</li></ul>	
<b>Software Engineer - TCS   Remote</b>	Sep 2021 - Jul 2022
<ul style="list-style-type: none"><li>Contributed to the development of enterprise-level software solutions using <b>.NET Framework</b> and <b>SQL Server</b>, increasing system performance by 25%.</li><li>Collaborated with cross-functional teams to design and implement new features, enhancing user experience and functionality.</li><li>Conducted code reviews and unit testing with NUnit, resulting in a 15% decrease in production bugs.</li></ul>	
<b>Web Development Intern - Unison techno solutions   Remote</b>	Jan 2021 - Mar 2021
<ul style="list-style-type: none"><li>Revamped user interfaces by implementing advanced JavaScript frameworks, achieving a 40% reduction in bounce rate and a 25% boost in user engagement metrics.</li><li>Implemented <b>RESTful APIs</b> to seamlessly integrate backend services, reducing data retrieval time by 40% and enhancing overall system performance.</li></ul>	

## SKILLS

**Programming Languages:** C, C++, Python, Java, JavaScript.  
**Development:** HTML, CSS, Bootstrap, React.js, REST APIs, NodeJS, ExpressJS, .Net Core.  
**Tools:** Vscode, Git, Github, Postman, Docker, Flask, AWS, Azure  
**Database Management:** MySQL, MongoDB, PostgreSQL, DynamoDB.

## PROJECTS

<b>Pneumonia Detection   Python, Keras, Tensorflow, Google colab, pandas</b>	Jan 2022 - Mar 2022
<ul style="list-style-type: none"><li>Devised and deployed an AI-powered convolutional neural network algorithm tailored for analyzing chest X-ray images. Achieved a remarkable accuracy rate of 92% in identifying pneumonia cases, leading to a 40% reduction in misdiagnoses.</li></ul>	
<b>Churn Prediction (In Telecom sector)   Python, ML</b>	Oct 2022 - Dec 2022
<ul style="list-style-type: none"><li>Applied Random Forest Algorithm to detect high-risk telecom customers, identifying key churn factors and reducing attrition by 18% through targeted retention strategies.</li></ul>	
<b>Online Blood Donation Management System   php, MySQL, Javascript, Html, CSS</b>	Oct 2021 - Dec 2021
<ul style="list-style-type: none"><li>Developed a centralized data management system for blood donors and blood groups, optimizing blood donation camp organization, resulting in a 30% increase in successful donations and a 25% reduction in administrative errors.</li></ul>	

## CERTIFICATIONS

- Certified in Python by Hackerrank [Link](#) | Internet of Things (IoT) by APSSDC.