

MAHESWARI THOKALA

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EDUCATION

Texas Tech University , Lubbock, Texas	Aug 2022 - May 2024
Master of Science in Computer Science	GPA - 3.5 / 4.0
RVR & JC College of Engineering , Andhra Pradesh, India	Aug 2018 - May 2022
Bachelor of Technology in Information Technology	CGPA - 8.1 / 10

SKILLS

Programming Languages: C, C++, Python, Java, JavaScript.
Development: HTML, CSS, Bootstrap, React.js, REST APIs, NodeJS, ExpressJS, .Net Core.
Tools: Vscode, Pycharm, Git, Github, Postman, AWS
Database Management: MySQL, MongoDB, PostgreSQL.
AI / ML: NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow.

EXPERIENCE

Onlinepk12 Learning Platform - FrontEnd Developer	Aug 2023 - May 2024
<ul style="list-style-type: none">Developed a robust web-based learning system utilizing HTML, CSS, Bootstrap, JavaScript, JSP, MySQL, and .NET; implemented user authentication, dynamic content management, and interactive quizzes, boosting platform usage by 50% and retention by 30%.Analyzed user feedback and conducted usability testing on an established online learning platform, resulting in a 20% improvement in user satisfaction and implementing user-centered design principles to enhance the overall learning experience.	
Software Engineer - TCS	Jan 2022- Jul 2022
<ul style="list-style-type: none">Contributed to the development of enterprise-level software solutions using .NET Framework and SQL Server, increasing system performance by 25%.Collaborated with cross-functional teams to design and implement new features, enhancing user experience and functionality.Conducted code reviews and unit testing with NUnit, resulting in a 15% decrease in production bugs.	
Web Development Intern - Unitech	Feb 2021 - Aug 2021
<ul style="list-style-type: none">Spearheaded the implementation of cutting-edge JavaScript frameworks to optimize user interfaces, resulting in a 40% decrease in bounce rate and a 25% increase in user engagement metrics.Implemented RESTful APIs to seamlessly integrate backend services, reducing data retrieval time by 40% and enhancing overall system performance.	

PROJECTS

Pneumonia Detection Python, Keras, Tensorflow, Google colab, pandas	Jan 2022 – Mar 2022
<ul style="list-style-type: none">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.	
Churn Prediction (In Telecom sector) Python, ML	Oct 2022 - Dec 2022
<ul style="list-style-type: none">Applied Random Forest Algorithm to detect high-risk telecom customers, identifying key churn factors and reducing attrition by 18% through targeted retention strategies.	
Online Blood Donation Management System php, MySQL, Javascript, Html, CSS	Oct 2021 - Dec 2021
<ul style="list-style-type: none">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.	

CERTIFICATIONS

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