

# Suraj Kumar Yadav

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## EDUCATION

<b>KIIT Deemed University</b> Bachelor of Technology in Computer Science and Engineering (CGPA: 8.26)	Bhuabaneshwar, 2021 - 2025
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## SKILLS

**Programming Languages:** C, C++, Java, Python, JavaScript  
**Web Technologies:** ReactJS, Express.js, NodeJS, HTML, CSS  
**Database Management:** SQL, MongoDB  
**Machine Learning:** TensorFlow, Scikit-Learn, CV2  
**Software Development:** Web Development, Data Structures and Algorithms  
**Soft Skills:** Effective Communication, Team Collaboration, Leadership, Adaptability

## INTERNSHIPS

<b>Salesforce Development</b> <i>SmartInternz</i>	(05/2024 – 06/2024) (Virtual Internship)
<ul style="list-style-type: none"><li>Completed an intensive 8-week Salesforce Developer Virtual Internship program, gaining hands-on experience with Salesforce technologies and best practices.</li><li>Learned key Salesforce concepts including Organizational Setup, Relationship &amp; Process Automation and Apex programming.</li></ul>	
<b>ORM</b> <i>VleBazaar.in</i>	(06/2023 – 07/2023) (Remote Internship)
<ul style="list-style-type: none"><li>Collaborated with the Online Reputation Management (ORM) team to enhance and maintain the digital presence of VleBazaar.</li><li>Acquired expertise in ORM strategies, fostered teamwork and contribution to content creation through insightful reviews, engaging articles and regular blogging activities.</li></ul>	

## PROJECTS

<b>MeDict</b>	Preview	GitHub	(04/2024)
<ul style="list-style-type: none"><li>Developed and implemented MeDiCT, a medical diagnosis application utilizing computer vision to diagnose lung cancer, kidney cancer, and brain tumors from medical images.</li><li>Engineered a user-friendly web interface powered by Streamlit, enabling seamless image upload, cancer type selection, and display of diagnostic results.</li><li>Utilized pre-trained deep learning models including VGG16 architecture for accurate predictions and classifications.</li><li><b>Tech Stack: Python, TensorFlow, Streamlit, VGG16.</b></li><li>(<a href="https://github.com/TheSuraj01/MeDict">https://github.com/TheSuraj01/MeDict</a>)</li></ul>			
<b>PedestrianFlow</b>			(03/2024)
<ul style="list-style-type: none"><li>Engineered an IoT-based traffic control system leveraging Arduino and OpenCV for real-time pedestrian detection.</li><li>Implemented machine learning algorithms to optimize pedestrian counting and adjust signal timing dynamically.</li><li>Developed a scalable smart city solution by integrating computer vision with hardware interfaces, enhancing urban infrastructure efficiency.</li><li><b>Tech Stack: Python, Arduino, CV2, Sensors.</b></li></ul>			
<b>SSV</b>	Preview	GitHub	(11/2023)
<ul style="list-style-type: none"><li>Developed the 'Sorting and Searching Visualizer', an innovative web application that demonstrates complex algorithms through interactive visualizations time complexity derivation.</li><li>Engineered the project using React, optimizing for scalability and performance with its component-based architecture.</li><li>Implemented core functionalities in JavaScript, enabling real-time user interactions and streamlining the learning experience for algorithmic concepts.</li><li><b>Tech Stack: React, JavaScript, HTML, CSS.</b></li><li>(<a href="https://github.com/TheSuraj01/Sorting-and-Searching-Visualizer">https://github.com/TheSuraj01/Sorting-and-Searching-Visualizer</a>)</li></ul>			

## CERTIFICATIONS

- Completed AWS Academy Graduate - AWS Academy Introduction to Cloud
- Completed the Cognite Game v4.5 course