Suraj Kumar Yadav

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EDUCATION

KIIT Deemed University Bhuabaneshwar,
Bachelor of Technology in Computer Science and Engineering (CGPA: 8.35) 2021 - 2025

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

Salesforce Development (05/2024 – 06/2024)
SmartInternz *(Virtual Internship)*

- Completed an intensive 8-week Salesforce Developer Virtual Internship program, gaining hands-on experience with Salesforce technologies and best practices.
- Learned key Salesforce concepts including Organizational Setup, Relationship & Process Automation and Apex programming.

ORM (06/2023 – 07/2023)
VleBazaar.in *(Remote Internship)*

- Collaborated with the Online Reputation Management (ORM) team to enhance and maintain the digital presence of VleBazaar.
- Acquired expertise in ORM strategies, fostered teamwork and contribution to content creation through insightful reviews, engaging articles and regular blogging activities.

PROJECTS

MeDict AI Preview GitHub (04/2024)

- Developed and implemented MeDiCT, a medical diagnosis application utilizing computer vision to diagnose lung cancer, kidney cancer, and brain tumors from medical images.
- Engineered a user-friendly web interface powered by Streamlit, enabling seamless image upload, cancer type selection, and display of diagnostic results.
- Utilized pre-trained deep learning models including VGG16 architecture for accurate predictions and classifications.
- **Tech Stack: Python, TensorFlow, Streamlit, VGG16.**
- (https://github.com/TheSuraj01/MeDict)

PedestrianFlow (03/2024)

- Constructed an IoT-based traffic control system utilizing Arduino and OpenCV for real-time pedestrian detection.
- Applied machine learning algorithms to optimize pedestrian counting and dynamically adjust signal timing .
- Formulated a scalable smart city solution by integrating computer vision with hardware interfaces, enhancing urban infrastructure efficiency.
- **Tech Stack: Python, Arduino, CV2, Sensors.**

SSV Preview GitHub (11/2023)

- Built the 'Sorting and Searching Visualizer,' an innovative web application that demonstrates complex algorithms through interactive visualizations and time complexity derivation.
- Designed the project using React, optimizing for scalability and performance with its component-based
- architecture.
- Created core functionalities in JavaScript, enabling real-time user interactions and streamlining the learning experience for algorithmic concepts.
- **Tech Stack: React, JavaScript, HTML, CSS.**
- https://github.com/TheSuraj01/Sorting-and-Searching-Visualizer

CERTIFICATIONS

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