

BARLA SANJAY

Developer ~ Engineer

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SUMMARY

Passionate about machine learning and deep learning, I bring together expertise as a full-stack developer and proficient data scientist. With a solid foundation in building data-driven solutions, I'm eager to apply my diverse skill set in a dynamic role where I can contribute effectively to cutting-edge projects in the field of AI.

SKILLS

Expertise In: Python, Machine Learning, Deep Learning, Computer Vision, Image Processing, Data Science, Data visualization, Data Analysis, Line Segmentation, SQL, JavaScript, HTML, C, Bootstrap, JQuery, PHP, Data Structures And Algorithms using C.

Tools: Streamlit, Gradio, PowerBI, Jupyter, PyTorch, OpenCV, Tesseract, Tensorflow.

EDUCATION

2021 - 2025	Rajiv Gandhi University Of Knowledge Technologies, Srikakulam Computer Science And Engineering Aggregate: 93%	B.Tech
2019 - 2021	Rajiv Gandhi University Of Knowledge Technologies, Srikakulam Maths, Physics and Chemistry Aggregate: 98%	Intermediate
2018 - 2019	A.P Model School Aggregate: 100%	SSC

EXPERIENCE

2023	Machine Learning Engineer Intern	Chek Research and Development
<ul style="list-style-type: none">• Applied FFT on video data and removed noise using customized and window functions.• Contributed to data preprocessing, feature engineering, and model evaluation for predictive analytics in asset condition monitoring.• Collaborated with a team to enhance the visualization of complex surface vibrations, aiding in the detection and resolution of equipment issues.		

PROJECTS

Web Scrapping	ScrapPix Scrapix is a user-friendly web app developed with Python and Streamlit. It allows users to effortlessly request images from designated websites in real-time. With its seamless interface, Scrapix enhances user experience by providing easy access to a wide variety of visual content.
Python	Face Recognition System Developed Face Recognition System for attendance tracking using Haar Cascade Model, contributing to automated and efficient attendance management in our college.
Machine Learning, streamlit	Liability Prediction Model Created is a Liability Prediction Model using machine learning and deep learning techniques to assist banks in identifying customers likely to default on loans, enabling more informed lending decisions.
Machine Learning, Deep Learning	Manuscript text extraction Currently focusing on line segmentation within the text extraction system for manuscripts. Leveraging advanced techniques such as seam carving, A*, and LCG algorithms, enhanced through deep learning methodologies. Seam carving intelligently resizes images to preserve vital text content, ensuring precise segmentation and efficient extraction of lines from images.
Full Stack Web	COIN COIN (Currency Operating Interface Navigation) is a cutting-edge digital payments application developed with advanced features using customized blockchain technology. It offers a glimpse into the future of digital payments by facilitating group transactions and integrating a voice assistant feature.

Full Stack Web	University Website - rguktsklm.ac.in Designed and developed the official website for our university, providing a platform to showcase academic programs, campus events, and administrative services. Implemented features for student and faculty interaction, including online resources and information dissemination.
FULL Stack Web	University Alumni Platform Created alumni platform fostering networking and collaboration with features like profile setup, event management, job postings, and mentorship. Facilitated strong community ties through effective communication channels between alumni and current students.
Full Stack Web	Optimal Solution for RGUKT SKLM Students and Alumni Created student-centric platform addressing various needs such as semester marks, outpass requests, and grievance submissions, aimed at enhancing university community experience.

AWARDS AND ACHIEVEMENTS

2023 - 2024	Finalist in HITACHI 30 HACKS HACKATHON hitachi • Attained Finalist status in the HITACHI 30 HACKS HACKATHON for pioneering the future of digital payments with our innovative COIN (Currency Operating Interface Navigation) Application. Utilized blockchain technology and advanced features to revolutionize digital payment systems.
2022 - 2023	Finalist in RISC-V Based Product Development Hackathon vlsisystemdesign • Achieved Finalist status in the 2023 RISC-V Based Product Development Hackathon for innovatively developing a Reverse Vending Machine using embedded C.
2022 - 2023	Technical Team Lead for CSE Internal Fest rguktsklm • As Technical Team Lead for the Internal CSE Fest, demonstrated leadership and technical proficiency in coordinating successful team initiatives. Led the development of a software for registrations and a platform for conducting coding contests, enhancing participant engagement and event efficiency.
2022 - 2023	General Secretary For SGC Coding Club rguktsklm • Coding Club aims to establish a coding culture on campus, reaching every student passionate about coding. This was started by a group of students who wanted to interact with like-minded peers and explore the world of computer science.

CERTIFICATIONS

2023 - 24	Introduction To Large Language Models Google
2023 - 24	Machine Learning with Python: A Practical Introduction IBM
2023 - 24	Google AI for Anyone GOOGLE
2022 - 23	Data Science With Python SimpliLearn
2022 - 23	Machine Learning from Coding Club Coding Club India
2022 - 23	Completion Of Python Programming SimpliLearn
2022 - 23	Certified Web Analyst IGM
2022 - 23	Microsoft Technology Associate: Security Fundamentals (MTA) Microsoft

CODING PLATFORMS

LeetCode - LeetCodeProfile