

SITESH ROY

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CARRIER OBJECTIVES

To secure an entry-level role in the IT industry, leveraging my expertise in programming, problem-solving, and machine learning while contributing to impactful projects and growing with the organization.

SKILLS

TECHNICAL SKILLS

Programming: Core Python, Java, C (Basic), C++ (Basic)
Database: SQL, MongoDB
Front End: HTML, CSS, JavaScript, Bootstrap, ReactJS (Basic)
Miscellaneous: Django, Flask, Artificial Intelligence, ML Algorithms, Data Structures and Algorithms.
Tools: Visual Studio Code, Eclipse, Android Studio, NetBeans

SOFT SKILLS Teamwork | Fast Learner | Multi-tasker | Problem Solving | Adaptability | Curiosity

LANGUAGES English, Bengali, Hindi, German (Basic), Japanese (Basic)

EDUCATION

Bachelor of Engineering (CSE)

R R institute of Technology, (VTU) • Bengaluru, Karnataka • 2020 - 2024 • 8.69 (CGPA)

Higher Secondary Examination (PCMC)

Bidhan Chandra Institutions (WBCHSE) • Durgapur • 2020 • 84%

Secondary Education (Science)

St Michael's School (ICSE) • Durgapur • 2018 • 91%

PROJECTS

MAJOR PROJECT

TITLE: INDUSTRIAL DEFECTIVE PRODUCT DETECTION USING DEEP LEARNING ([link](#))

DATE: August 2023 - March 2024

AIM: To Design and develop a working model based on IOT, trained in Machine Learning, to detect as well as segregate a working product from defective one.

TECHNOLOGIES USED: CNN based on YOLOv5 Algorithm, Python (Flask framework), Hardware components (ESP 32, H-Bridge, Camera, DC Motor).

OUTCOME: Our project represented a pivotal role in quality management in the field of PCB manufacturing by seamlessly integrating YOLO algorithms with hardware components.

FUTURE SCOPE: Integration with developing Industry, the system can evolve through adaptive learning mechanisms, multispectral imaging techniques, and human-machine collaboration, ensuring continuous refinement, adaptability to diverse manufacturing environments, and a holistic approach to defect prevention.

TITLE: CRYPTO WEATHER NEXUS ([link](#))

DATE: Jan 2025 - March 2025

AIM: To Design and develop a real time application that calls APIs and gives information about a city's weather, the current cryptocurrency market and news regarding it.

TECHNOLOGIES USED: Next.js (v20), ReactJs, Tailwind CSS for styling, Coingecko API, OpenWeather API, NewsData.io API, Vercel for deployment.

OUTCOME: A fully functional, publicly deployed web application is deployed that can be accessed anytime anywhere with real time data refreshing after 60s to give user a smooth experience. With open-sourced applications it gives clarity to the user.

DEPLOYMENT: Git Open Sourced Documentation ([visit here](#)) Deployed in Vercel ([visit here](#)).

MINOR PROJECT

TITLE: PHONE RECOMMENDER USING ML ([link](#))

DATE: APR 2025

DESCRIPTION: Using K-Nearest Neighbor Algorithm it gives 1 suggestion and 5 phone recommendations that matches the user's need.

TITLE: TEXT EDITER ([link](#))

DATE: MAR 2025

DESCRIPTION: An AI powered advance Text Editor that Transforms, Rewrites, Summarizes and Perfect your content effortlessly. Express has been used for the framework and the Ai agent is Mistral-small.

TITLE: IMAGE TO ANIME CONVERSION USING GAN ([link](#))

DATE: Feb 2024

DESCRIPTION: An AI model that converts a given Image to Anime style art using GAN.

TITLE: RESUME SHORT LISTER ([link](#))

DATE: DEC 2023

DESCRIPTION: Implemented using Python and Django, a Web app to shortlist a resume, extracting relevant information from the resume uploaded in pdf format matching the Job Description.

ROLE: Backend development with Python.

TITLE: HEART ATTACK PREDICTION USING ML ([link](#))

DATE: SEP 2023

DESCRIPTION: Using Random Forest Algorithm, it is implemented on Django to predict whether a person will have a heart attack or not in the near future.

TITLE: PULSAR WAVE CLASSIFICATION USING ML ([link](#))

DATE: SEP 2023

DESCRIPTION: Using Logistic Regression algorithm, it is implemented on Django to classify a pulsar wave hitting the Earth's surface.

TITLE: PROJECT MANAGEMENT SYSTEM

DATE: JAN 2023

DESCRIPTION: A responsive Interface developed in NetBeans with SQL; An interactive application that manages a student's projects. Performing CRUD operations.

CERTIFICATIONS

Python Full Stack • PentagonSpace • April 2024 – December 2024 ([Visit Here](#))

Web Development • Udemy • Oct 2023 ([Visit Here](#))

JavaScript • Udemy • Sep 2023 ([Visit Here](#))

Problem Solving (3*) • HackerRank

SQL (Advanced) • HackerRank • Aug 2024 ([Visit Here](#))

WORK EXPERIENCE (INTERNSHIPS)

Artificial Intelligence Internship at 1Stop • Feb 2024 to April 2024

• Learned the basics of Deep Learning and worked on AI-related projects.

Machine Learning Internship at Karunadu Technologies Private Limited • Aug 2023 to Sep 2024

• Hands-on experience with ML algorithms and project development.

EXTRA-CURRICULAR ACTIVITIES

Participated in Code Fiesta — SJB Institute of Technology

Reading Books, Mangas.

Watching Movies, Animes, Formula1

Coding, Gaming, Music, Learning new things.

DECLARATION

I hereby declare that the above-mentioned information is true to the best of my knowledge.

Place: Durgapur, West Bengal

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