

Saurabh Khushal Gaikwad

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EDUCATION

Shri Sant Gajanan Maharaj College of Engineering Shegaon, Maharashtra India.
Final Year Electronics and Telecommunication Engineering

Sept 2022-Present

TECHNICAL SKILLS

Programming Languages: C, C++, Python, HTML, CSS, SQL, etc

Software/Tools: Linux, Matlab, Git, Github, QGIS, Docker, Figma, MongoDB, Adobe Photoshop, etc

Core Skills: Data Structures & Algorithms, Machine Learning, Data Analysis, Signal Processing

PROJECTS

Solar Panels Detection from ISRO's Dataset

Apr 2023 – Feb 2024

Tensorflow · Python · CNNs · U-Net · MobileNetV2 · QGIS

- An object detection project for the GeoSpatial AI challenge at VNIT Nagpur Organised by ISRO.
- The project was implemented for detecting the solar parks from images using the dataset from ISRO's LISS4 sensors using U-net with MobileNet-V2 as the backbone for the model.

Amazon Reviews Scraper and Data Analysis

Apr 2023 – Feb 2024

Python · Docker · Splash JS · BeautifulSoup · Flask · Selenium · ChatGPT API

- Reviews scraper of an Amazon product using Splash JS with Docker, using libraries like BeautifulSoup v4, requests, pandas, etc.
- Data analysis of the collected data using LLM's like ChatGPT and Claude AI. This gives the complete insights about a product on the amazon website.

AI Homepage Chrome Extension

Apr 2023 – Feb 2024

JavaScript · Cascading Style Sheets (CSS) · HTML · Chrome APIs

- A new tab extension in the style of macOS which allows you to access all the latest useful AI tools with ease at your homepage. Implemented using HTML, CSS, and JavaScript, and leveraged Chrome APIs for seamless integration and performance.

EXPERIENCE

OneSmarter Inc, USA (AI & ML Intern)

Apr 2023 – Feb 2024

- Led a team of 4 to develop AI products for clients from USA and Israel.
- Gained a proper industry exposure while working on real world projects for the company.

Kirdak Group Sambhajinagar (On- Site Project Intern)

July 2024

- Led a project to reduce rejection rates in pulsar coils due to the body short problem by 20% through root cause analysis and model implementation. I had a 15 days intensive training at the Plant about the manufacturing of the products and organization of the company.

FABLAB SSGMCE (Project Trainee)

Jan 2023 – Jul 2024

- Gained experience in various fields such as Web Development, CNC model design using Fusion360, CNC Machine operating, Laser Cutting, PCB Designing in the freshman year.

CERTIFICATIONS

1. NPTEL Deep Learning - IIT Ropar , 2. NPTEL - Introduction To Machine Learning - IIT Madras, 3. National Skill Training Institute Ramanthapur Hyderabad – Hands on IOT Training , 4. AWS Academy Machine Learning Foundations, 5. Google Cloud Computing Foundations Certificate

VOLUNTEERING

Google Developer Groups SSGMCE (Core Team Member – AI/ML Lead)

Aug 2023 -Present

- Took workshops for a batch of 60+ students on AI and Machine Learning.
- Represented our team for Google Solution Challenge 2023 at T-Hub, Hyderabad.

Mozilla Campus Club SSGMCE (Team Member)

Dec 2022-Dec 2023

- Arranged many technical events including a workshop on AR/VR modelling in Blender