

Sourabh Asharma

Full Stack Web Developer and ML Enthusiast

I demonstrate a strong passion for exploring new concepts and get easily comfortable with any new field easily. I'm seeking a place where I can exhibit my knowledge and abilities to go deep into the field.

sourabhasharma15@gmail.com

sourabh7047.github.io/Digital_Portfolio/

linkedin.com/in/sourabhasharma

github.com/sourabh7047

EDUCATION

B.Tech In Biotechnology

NIIT University 9.39 CGPA

04/2019 - Present

Neemrana, Rajasthan

Higher Secondary School

Delhi Public School 89.2%

04/2017 - 02/2019

Bhopal, Madhya Pradesh

Secondary School

Delhi Public School CGPA- 10

04/2014 - 04/2017

Bhopal, Madhya Pradesh

WORK EXPERIENCE

Full Stack Web Development Intern

Layer3 Organisation

12/2021 - 03/2022

Remote

Web3/web2 developer shop & innovators. We are creators and builders of our decentralized future

Roles/Tasks

- Worked on two projects: 1. Spiritswap 2.NFTGarage.
- 1. Spiritswap** - Spiritswap is a Fantom blockchain AMM with liquidity incentives.
- i) **Role** - Bug fixing, feature designing, and dynamic UI designing of the application in production stage.
- 2. NFTGarage**- A NFT Launchpad envisioning to bridge the gap between DeFi & NFTs.
- Role**-Design a good UI from scratch for the project and also involved in backend in feature development.

Data Engineer Intern

Genpact

01/2023 - Present

Bangalore

leaders in the globalization of services and technology and a pioneer in managing business processes for companies around the world.

Roles/Tasks

- Flask**: Built a Flask API that included multiple relationships between tables, JWT token-based authentication, and a dedicated Swagger UI. Since Flask works on the WSGI engine, which is synchronous, it was necessary to use the asyncio library of SQLAlchemy to send multiple queries to the database simultaneously.
- Ray**: Designed and implemented a distributed training pipeline using the Ray Framework that included data processing, training, prediction, and deployment on horizontal autoscaling Ray cluster VMs that run on the Google Cloud VMs.
- Vertex AI**: Developed Vertex AI pipelines for model training, deployment, and endpoint generation. The data processing and training pipeline generates models that are then saved as model artifacts. The endpoint deployment pipeline then deploys these models.
- DataProc**: Created a Python-based API system that simplified the submission of dataproc jobs. The API only required the submission of the main Python file's link and the addition of a zip folder link, making it easier to submit jobs through cloud infrastructure.

SKILLS

ReactJS

MongoDB

NodeJS

ExpressJS

sql

Machine Learning

Open Source

Javascript

Flask

Docker

SQLAlchemy

FastAPI

Firebase

Postman

Java

python

GCP

postgresSQL

PERSONAL PROJECTS

- Machine Learning-Based Classification of Breast Cancer**
 - The task was to classify the cancerous cell nuclei surface morphological dataset into benign and malignant tumors.
 - implemented different binary classification algorithms, analyzed the performance through various matrices result, and optimized them.
 - Technologies used**: Python, Jupyter Notebook.
- GeneWeb**
 - GeneWeb is a Research tool website for young researchers
 - A connection link between the NCBI search engine and the EBI toolkit
 - technologies used**-ReactJS, NodeJS, ExpressJS, Styled Component, Firebase
- Simon Game**
 - A Simon Game to check your active memory (short term memory).
 - Technologies used**: HTML, CSS, JQuery.

ACHIEVEMENTS

- Competitive Programming**
4 star Codechef Coder (Global Rank:11482 Country Rank:9996)
- Open source contributions in Hoctoberfest
- listed in top 10 in ode to code competition held by NIIT University
- Winner of National Balrang dance Competition
held at manav Sangrahalaya , Bhopal
- outstanding performance in dance.
from DPS Bhopal

PUBLICATION

Human Values and Soft Skill Development in Education

A ML classification based approach to classify the success of students based on their values and soft skill. Published in book "Technical Intervention in Socio Economic Life" on Amazon under guidance of Prof. Gurendra Nath Bharadwaj

POSITION

mentor web development (07/2021 - 07/2022)

Google Student Developer Club

Student Affairs Committee (Academic Affair Team Member)

(06/2020 - 06/2021)

NIIT University