

Sanidhya Shukla

6394633563 | sanidhya@gmail.com | linkedin.com/sanidhya | github.com/Sanidhya

EDUCATION

Bundelkhand University

Bachelor Of Technology In Computer Science

Jhansi

Aug. 2023 – May 2027

EXPERIENCE

Software Developer Intern

June 2020 – Present

Virtual Labs (VLab), IIT Kanpur [[Live Simulator](#)]

Kanpur, India

- Built an interactive web simulator replicating the Gerber Method for fat analysis in milk, enabling remote access for **5000+** users across institutions.
- Optimized animations and UI transitions using HTML, CSS, and JavaScript, reducing page load time by **30%** and improving responsiveness.
- Improved user engagement by **40%** through intuitive step-by-step interactivity and educational visual feedback (based on usage analytics and session duration).

PROJECTS

HealEarly – Ai Health Diagnosis Platform | DRF, React.js, PostgreSQL, TensorFlow, Pandas Dec 2024 – Present

- Developing an AI-powered diagnostic system for early detection of diseases (e.g., breast cancer, pneumonia) using optimized DRF APIs and TensorFlow-based models for scalable inference.
- Designing an interactive React.js frontend with real-time geolocation and appointment booking to improve user engagement and interface responsiveness.
- Integrating asynchronous processing (Celery + Redis), Dockerized deployment, and OAuth2-based authentication to enhance system efficiency, modularity, and secure collaboration.

Bilonex – Social Media Platform | React.js, Django, DRF, PostgreSQL

Feb 2025 – June 2025

- Built a full-stack social media app where users can chat, post videos, write blogs, and comment on content
- Designed dynamic feed with real-time messaging and media sharing to boost user engagement
- Developed secure REST APIs using Django Rest Framework and optimized PostgreSQL queries
- Integrated clean UI with React.js for a fast and responsive user experience

AI Startup Helper | React.js, FastAPI, Python, OpenAI API

Mar 2025 – Present

- Built an AI-powered tool to rate startup MVPs and predict idea success probability with market condition and location
- Implemented smart QA flow to refine user-submitted ideas and provide actionable insights
- Used NLP models to analyze inputs and deliver clear, tailored feedback in seconds
- Designed sleek UI for startup founders to interact easily and get instant validation

TECHNICAL SKILLS

Languages: Python, C/C++, Javascript , SQL (Postgres), HTML/CSS,

Frameworks: Django , DRF, Reactjs

Developer Tools: Git, Docker, TravisCI, Google Cloud Platform, VS Code, Visual Studio

Libraries: pandas, NumPy, Matplotlib , tensorflow,

ACHIEVEMENTS

- 2nd Place – Innovathon National Hackathon:** Led a team of 4 as Team Lead and was selected among **500+** teams for innovation and impact; built the “Kheti” app to empower farmers with real-time crop insights. [[Certificate](#)]
- Solved 800+ problems in Data Structures and Algorithms** – Across platforms like LeetCode, Codeforces, and GeeksforGeeks
- Top 1% in SoloLearn Global Rankings** – Excelled in Python, SQL, and Machine Learning courses