# Sanidhya Shukla

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

## EDUCATION

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| **Bundelkhand University** | Jhansi |
| *Bachelor Of Technology In Computer Science* | *Aug. 2023 – May 2027* |

## EXPERIENCE

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| **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**: 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