

Siddhartha Shukla

mail@siddharthashukla.in ▪ siddharthashukla.in ▪ +91 7011 762986 ▪ linkedin.com/in/siddharthashukla ▪ github.com/SiddharthaShukla

EDUCATION

Amity University

September 2022 - Present

Bachelor of Technology, Computer Science

Noida, Uttar Pradesh

- **Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Artificial Intelligence, Database Management, Concurrency, Networking Systems

SKILLS

Languages C/C++, Python, HTML/CSS, JavaScript/TypeScript, Lua, Shell

Technologies Git, React, Docker, Kubernetes, Tensorflow, MySQL, PostgreSQL, MongoDB

WORK EXPERIENCE

Essentia.dev

May 2025 – July

2025

Software Developer Intern

Noida, Uttar Pradesh

- **Spearheaded the end-to-end development** of a Real-Time Buoy Vessel Management System using the Phoenix Framework and LiveView.
- Collaborated with cross-functional teams to develop a decentralized project manager pipeline reducing **development costs and time by 15%** across the board.
- Implemented CI/CD pipelines using Github Actions and Docker Compose for automated testing and deployment.

Upwork

August 2023 – April 2025

Freelance Developer

Remote

- Modernized UI for clients with Next.js and Tailwind, leading to a **jump of 300 active users/week** and a **2x increase** in session duration.
- Facilitated research associates by developing **AI-driven data analytics pipelines** using TensorFlow and Apache Spark, boosting **data processing speed by 60%**.
- Streamlined deployment of projects by using Docker images to generate repeatable builds across diverse environments.

PROJECTS

Visor

Python(PyQt5), Pillow

A steganography tool based in Python, with support for three LSB algorithms for encoding images, using PyQt5 for GUI.

grish(a)

C, Makefile, Shell scripting

A custom UNIX shell written in C for Linux. Supports piping, redirection and background processes.

CERTIFICATIONS & INTERESTS

Certifications

- HarvardX's Computer Science for Python Programming.
- CS50's Introduction to Artificial Intelligence with Python.
- IBM: Cybersecurity Basics.

Interests

- Guitar; Music; Weightlifting; Chess