

Sumit Jha



Full Stack Software Developer

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Full-stack engineer with strong Python/Django, FastAPI, and cloud exposure. Builds secure backends, clean data models, and rapid prototypes; leads small teams to ship fast, reliable software.

Work Experience

Full Stack Software Developer

Dec 2024 - Present

PiHex Labs

Delivered a unified imaging UI demo and component library integrated into Niivue; simplified the rendering approach, improved reliability/UX,

- Consolidated many rendering layers into a single canvas overlay, improving stability
- Shipped a complete control panel (sliders, toggles, selectors, actions) for real-time image viewing and adjustments.
- Fixed interaction logic (e.g., brightness/contrast), resolved component overlaps, and aligned the UI to the brain view.
- Made the UI kit configurable and reusable across web and desktop

Software Developer

Dec 2023 - Dec 2024

Essentia.dev

Core contributor to OpenBharatOCR.

- Pre-processing pipeline improving OCR accuracy.
- Helped design training workflow (TensorFlow + OpenCV).

Software Developer

Apr 2023 - Nov 2023

TruAct

Developed low-code Zoho apps; integrated external APIs.

- Built P2P requisition app.
- Designed intern onboarding & training.

Education

MCA in Computer Applications

Jul 2021 - Jun 2023

Vivekananda Institute of Professional Studies

BCA in Computer Applications

Jul 2017 - Jun 2021

Integrated Institute of Technology

Skills

Backend Development (Advanced)

Python, Django, FastAPI, Flask, SQLAlchemy, Pydantic, PostgreSQL, MongoDB

Frontend (Intermediate)

React, JavaScript, HTML, CSS, Bootstrap

DevOps & Cloud (Intermediate)

Docker, Nginx, Google Cloud, Git, CI/CD, LDAP

Projects

Scheduler

Secure, scalable scheduler with LDAP auth and migrations.

- End-to-end CI pipeline
- RBAC

Technologies: Django, PostgreSQL, Alembic

Roles: Lead developer

Calendar-App

Full-stack calendar with Django + React.

- CRUD events
- JWT auth

Technologies: Django, React

Roles: Full Stack Dev

Certificates

Python & Django Full-Stack Bootcamp (Udemy)

Jun 2022

Udemy

Lightning Talk – PyCon India 2024

Sep 2024

PyCon India

Languages

English (Fluent)