

SHUBH SARDANA

shubhsardana31.ss@gmail.com | 9818518409

GitHub | LeetCode | Portfolio | LinkedIn | CodeChef

EDUCATION

Guru Gobind Singh Indraprastha University

B.Tech in Industrial Internet of Things

CGPA: 8.53

Delhi

Nov 2021 – June 2025

EXPERIENCE

Info Edge India Ltd | Python Developer Intern

Noida | Oct 2024 – June 2025

- Engineered Python automation solutions using Selenium, regex, and XPath to automate job data extraction from multiple career websites, significantly enhancing data acquisition speed.
- Implemented automated ETL pipelines and data transformation algorithms for job classification and schema mapping, optimizing database synchronization and query performance.

Innerloop Streaming AI | Software Engineering Intern

Remote | July 2024 – Sep 2024

- Developed scalable backend microservices using Node.js, Express.js, MongoDB, and Redis, implementing RESTful APIs for streaming applications.
- Built optimized frontend solutions with Next.js and automated CI/CD pipelines using Azure DevOps, reducing deployment time by 60%.

SKILLS

Programming Languages: C++, Java, Python, JavaScript

Libraries/Frameworks: ReactJS, ExpressJS, NodeJS, NextJS, Flutter, Selenium

Tools / Platforms: Docker, Git, VS Code, Azure

Databases: SQL, MongoDB

PROJECTS / OPEN-SOURCE

Chess Recognition and Move Detection System

Python, OpenCV, Computer Vision, Stockfish

- Developed computer vision system to bridge physical chess play with digital analysis, using OpenCV and Python to detect chess pieces and track moves in real-time from standard webcam input.
- Achieved 98% board detection and 96.3% piece recognition accuracy at 30+ FPS, integrating Stockfish engine for real-time professional-level analysis.
- Trained YOLOv4-based model for piece classification and used OpenCV-based board calibration for move mapping and virtual board generation.

GGSIPIU Alert Bot Ecosystem

Node.js, TypeScript, Kotlin, PostgreSQL, Prisma, Azure, Docker, Firebase

- Architected comprehensive multi-platform notification system with 5 microservices (scraper, Telegram bot, WhatsApp bot, FCM server, mobile app) serving 1550+ users.
- Engineered TypeScript-based scraping pipeline with secure SHA256 webhooks for real-time notice detection and 99.9% uptime cross-platform delivery.

Saksham: Smart India Hackathon 2023 Winner

TensorFlow.js, Next.js, Python, Computer Vision,

Docker, Azure

- Developed real-time sign language recognition system using computer vision and TensorFlow.js for browser-based ML inference, eliminating the need for specialized hardware.
- Built comprehensive accessibility learning platform with AI-driven sign language detection and virtual Braille tools, serving as a national-level inclusive education solution.

CERTIFICATIONS

- Microsoft Azure Fundamentals (AZ-900) - **Microsoft**
- Google AI Essentials - **Coursera**

HONORS & AWARDS

- Smart India Hackathon 2023 Winner – Software Category for project Saksham
- 3rd Prize – Developer Augmentation Hackathon (Microsoft & Reskill) for LearnGPT
- GDSC Flutter Lead – Guided 300+ students in Flutter development
- Microsoft Learn Student Ambassador – Conducted Azure workshops and training sessions