

Shubham Sura

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SUMMARY

I am a Computer Science student passionate about AI/ML and building real-world tech solutions. Over the past few years, I have worked on projects involving machine learning, full-stack web development, and embedded systems. I am comfortable working with Python, Java, and Git, and I enjoy learning by doing—especially when solving practical problems with creative, efficient code. I am now looking to join a team where I can continue learning while contributing meaningfully.

TECHNICAL SKILLS

Programming Languages: Java, Python, C++, SQL, MongoDB, JavaScript, React, NodeJS

Libraries & Tools: Git, GitHub

PROJECTS

Cabin Connect – Smart Admin Dashboard

April 2025 – Present

WebDevelopment Project

Html, CSS, JavaScript, React.js, Tailwind

- Built a responsive web app to help students easily check if faculty are available in their cabins
- Managed live status updates using React Hooks to create a smoother, more intuitive user experience
- Designed the platform to reduce unnecessary visits and improve student-faculty communication

Potato Disease Detection from leaf image

March 2024 – April 2024

Deep Learning Project

Python, TensorFlow, Keras, OpenCV

- Trained a Convolutional Neural Network (CNN) model to detect common diseases in potato leaves
- Collected and prepared a dataset through image resizing, normalization, and augmentation
- Achieved high classification accuracy by fine-tuning CNN architecture and using data-driven insights from exploratory data analysis

Automatic Toll Gate System using Arduino Uno

August 2024

IoT and Embedded Systems Project

Arduino Uno, C/C++, IR Sensor, Ultrasonic Sensor, Servo Motor

- Designed and implemented an automated toll gate system simulating a real-world IoT application using Arduino Uno
- Integrated IR sensors and ultrasonic sensors to detect vehicle presence and automate gate control via a servo motor
- Displayed real-time status on an LCD screen, reducing manual intervention and improving toll management efficiency

EDUCATION

Vellore Institute of Technology

Bhopal, India

B.Tech in Computer Science Engineering (AIML)

May 2027

Takshila International School

Jind, India

CBSE (Class XII)

2022

G.R Global Academy

Jaipur, India

CBSE (Class X)

2020

CERTIFICATIONS

- IBM Certificate – GEN AI using IBM Watsonx
- Fundamentals of AI and ML – Vityarthi VIT Bhopal
- Python Essentials – Vityarthi VIT Bhopal
- Advanced Drone Technology (Air Taxi) Workshop – India Space Lab India Space Week