

# Sanchit Debebrata Panda

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## SKILLS

**Languages:** C/C++, Python, JavaScript, HTML

**Technologies & Tools:** AWS, EC2, DynamoDB, S3, SQS, Lambda, Athena, Kubernetes, Docker, Amazon Bedrock, Amazon Q, Bootstrap, HuggingFace

## WORK EXPERIENCE

**Celebal Technologies**

Jun 2025 - Present

*Summer Intern*

- Actively expanding knowledge in cloud infrastructure and security, focusing on architecture design, compliance, and best practices for securing cloud environments.
- Developed and deployed projects focused on Azure Global Infrastructure, leveraging regions, availability zones, and data centers to ensure scalability, resilience, and optimal performance.
- Azure, Cloud Network, Cloud Security, Kubernetes, Docker

**Etherwise, Pune**

Jan 2025 - May 2025

*Project Intern*

- Developed an AI-powered web scraper leveraging Selenium and BeautifulSoup for efficient data extraction and processing.
- Designed and implemented an interactive user interface for both the web scraper and chatbot while enhancing the efficiency and performance of the Selenium-based components.
- Python, Selenium, BeautifulSoup, Pandas, Flask, SQLite/MySQL.

## EDUCATION

**MITAOE Pune**

Aug 2022 - Aug 2026

BTech in Computer Engineering

**CGPA: 8.17/10**

Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Data Mining, Advance Data Structures and Algorithms, Information Retrieval, Image Processing

## PROJECT WORK

- **Sign Language Translator (2024-25):** Developed a desktop application for sign language translation using real-time video and image processing. Implemented gesture recognition with Convolutional Neural Networks (CNNs) for accurate word detection. Designed a pipeline for sentence translation using sequence prediction models. Utilized OpenCV for video processing and TensorFlow for model training and inference. Python, OpenCV, TensorFlow.
- **Dark Store Network Management System(2025):** Developed a Dark Store Network Management System to optimize inventory distribution and order fulfillment across multiple locations. Integrated mapping solutions for real-time location tracking and efficient route optimization. Implemented demand forecasting, stock level monitoring, and automated restocking alerts. Utilized Python, Flask, SQL, APIs, and mapping tools like Google Maps API for seamless e-commerce platform integration.
- **Weapon Detection System (2023-24):** Developed a Weapon Detection System leveraging YOLOv5 for real-time weapon detection. Implemented both client-based and server-based applications to provide flexible deployment options. Integrated real-time video feed processing for immediate threat identification and alert generation. Utilized Python, OpenCV, Flask, and TensorFlow for system development, ensuring high accuracy and low latency.

## AWARDS AND CERTIFICATES

- AWS Cloud Practitioner
- AWS AI Practitioner
- Python Essentials 1 and 2 from Cisco