

# Anshuman Mishra

anshumanmishra274@gmail.com | LinkedIn | GitHub | minutor | Portfolio | 9861687595

## PROFILE

AI/ML Engineer with hands-on experience in building and deploying AI-driven solutions. Skilled in prompt engineering, Conversational AI, OCR, NLP, and LLM-based systems. Proficient in real-time transcription, speaker diarization, and RAG pipelines. Proven ability to develop and deploy solutions using AWS, Supervisor APIs, and efficient cloud-based architectures.

## EXPERIENCE

### Squbix Digital

AI Engineer

2024-11 – present  
Bhubaneswar, India

- Developed and deployed AI solutions, including transcription systems, using LLMs and efficient server APIs.
- Contributed to production launches on AWS with memory-efficient servers and Supervisor APIs.
- Worked on real-time transcription and diarization systems using Whisper, AssemblyAI, and Pyannote.
- Improved cloud-based processing pipelines for faster and more accurate ML inference.

### Ingenious-Tech World

Apprenticeship

2024-06 – 2024-07  
Remote

- Mentored 70 students in the first year and 60 in the second year, guiding them in lab classes on Cloud Platforms.
- Assisted students with troubleshooting and debugging issues during lab sessions focused on Cloud Computing.
- Provided hands-on workshops which focus on deploying an end-to-end Web Server on Cloud.

### GDSC Silicon Chapter

AI/ML Lead

2023-05 – 2023-12  
Bhubaneswar, India

- Connecting with Light-minded people.
- Enhanced my teaching and management skills .
- Conducted workshops on Machine Learning from Basics to Advanced Algorithms.

## SKILLS

### Programming Languages

Python (Proficient) | GO (beginner) | RUST (beginner)

### Cloud Computing

AWS (EC2, S3, Lambda) | Azure.

### Framework

TensorFlow | SK-Learn | PyTorch | Huggingface

### Data Processing & Visualization

- Libraries: NumPy, Pandas, Matplotlib, OpenCV.
- Big Data: Apache Spark, Hadoop.
- Data visualization: Tableau, Power BI.

### AI/ML & Prompt Engineering

- Prompt Engineering using GROQ AI, Mixtral AI.
- Model fine-tuning (Whisper, YOLO, Paddle OCR, ASR models).
- NLP techniques (NER, VAD) from unstructured data and OCR-extracted PDFs.

### Backend

Flask | WebSocket Client | API Endpoints

### Developer Tools

Git | Jupyter Labs | Jenkins | Terraform | Weight & Biases

## PROJECTS

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### Trannote

2025 – present

*Objective: To transcribe the speech in real time, and know who speaks what?*

- Used Whisper-medium locally for transcribing the speech in real time.
- Speaker diarization was possible by calling api's from assemblyai.

### NCERT-BOT

2024 – present

*Objective: To help students of CBSE board to interact with their books and you-tube lectures.*

- Web-Scraping using selenium and beautifulsoup
- using self-RAG for text summarization

## EDUCATION

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### Silicon Institute of Technology

2021 – 2025

*Bachelor of Technology*

*CGPA: 7.51*

Bhubaneswar, India

Course: Electrical And Electronics

### Sankalp Senior Secondary School

2018 – 2020

*Higher Secondary Education*

*Percentage: 74%*

Berhampur, India

## COURSES & CERTIFICATES

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### DevOps

2024-06 – 2024-08

*Ingenious Tech-World*

Remote, India

### Deep Learning

2024 – 2024

*NPTEL*

India

### Azure Masters

2023-05 – 2023-06

*Silicon Institute Of Technology*

Bhubaneswar, India

### Cyber Security and Privacy

2023 – 2023

*NPTEL*

India

## INTERESTS

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- Generative AI
- Cyber Security
- Technical Writing
- Ontology Based Models

## ACHIEVEMENTS

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### Editor at Publication Cell of Silicon University

2021 – present

*Slate*

Bhubaneswar, India

### Contributed to Opensource at HACKTOBERFEST'23

2023

*Four Pull Requests Merged*