

# Soumyadyuti Dey

## AI/ML Engineer | Cloud Developer

Aspiring AI/ML Engineer and Cloud Developer with expertise in Python, AWS, and scalable cloud solutions.



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soumo-git-hub.github.io/My-Portfolio/

## EDUCATION

### Bachelor's Of Computer Application The Northcap University

06/2023 - Present

8.5+ CGPA

BCA

- Relevant Coursework:**  
Cloud Computing,  
Artificial Intelligence /  
Machine Learning and  
Cybersecurity

## PERSONAL PROJECTS

### On Beat (03/2024 - Present)

- On Beat** is a wellness-focused web app that enhances health through interactive yoga, meditation, and physiotherapy sessions.

### Scribe (02/2025 - Present)

- Scribe** is an intelligent note-taking assistant designed to revolutionize the way you capture, organize, and interact with information.

### AVAS (Advance Voice Assistant System) (07/2021 - Present)

- AVAS** (Advanced Voice Assistance System) is an intelligent voice assistant designed for seamless interaction and efficiency.

### SentraCore (05/2025 - Present)

- SentraCore** is a powerful desktop based cybersecurity bot designed for real-time threat detection, in-depth system analysis and proactive defense.

## WORK EXPERINCE

### System Engineer Thinkdex

04/2025 - 05/2025

Bangalore, India

Thinkdex is a leading software development company specializing in innovative, scalable and secure digital solutions for businesses worldwide.

Tasks

- Revamped and Deployed Ayatrio Website:**  
Reconfigured AWS infrastructure, set up Nginx for optimized routing and resolved backend issues resulting in a **40% improvement in load time** and **100% uptime post-deployment**.
- Enhanced WebRTC for MyWorld Platform:** Optimized MediaSoup based room conferencing system, significantly reducing latency by **35%** and improving connection stability by **55%**, deployed on AWS with CI/CD pipeline integration.
- Migrated Architecture to Rust:** Rewrote core backend framework (messaging & video modules) from JavaScript to Rust, boosting execution speed by **2x** and enhancing system reliability, scalability and resource efficiency on AWS.

## SKILLS

Python

Artificial Intelligence

Machine learning

Cybersecurity

Cloud Computing

NLP

LLM

## ACHIEVEMENTS

### National Level Hackathon Winner (01/2025 - 02/2025)

Competed against 1700 teams; ₹40,000 prize

### NCU Hackutsav 1.0 (10/2024 - 10/2024)

Competed against 70 teams; ₹15,000 prize

### SGT Innoverse Hackathon (02/2025 - 02/2025)

Competed against 100 teams; ₹10,000 prize

### Google Cloud Arcade Winner (07/2023 - 12/2023)

Google Cloud Arcade Challenge Winner – Successfully completed the challenge, demonstrating expertise in cloud computing through hands-on labs and real-world problem-solving.

## CERTIFICATES

### AWS Educate Introduction to Cloud 101 (12/2024 - 01/2025)

**AWS Educate: Introduction to Cloud 101** certifies foundational knowledge of cloud computing and AWS core services.

### Generative AI with Large Language Models (01/2025 - Present)

**Generative AI with Large Language Models** by DeepLearning.AI and AWS provides foundational knowledge and practical skills in generative AI.

## LANGUAGES

English

Full Professional Proficiency

German

Elementary Proficiency

Hindi

Full Professional Proficiency

Chinese

Elementary Proficiency

## INTERESTS

Artificial Intelligence

Cloud Computing

Cybersecurity

Machine Learning

LLM

NLP