

Ganesh Agrahari

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📍 Lucknow, India

🔗 My-Portfolio

🌐 LinkedIn

🐙 GitHub

📄 PROFILE

Final-year BCA (DS&AI) student with expertise in **Python, AI/ML, and cloud architecture**. Experienced in building and deploying production-grade **AI systems with AWS and Azure**. Skilled in designing scalable intelligent solutions using **Machine Learning, Deep Learning, NLP, and serverless architectures**. Proven track record of developing enterprise applications that deliver measurable impact and solve real-world problems.

📜 CERTIFICATES

- Data Science Level 1 – IBM
- Analytics in IBM Cognos
- Machine Learning–Udemy
- Cyber Security – Microsoft
- App Development -BBDU
- NoSql & DbaaS 101 -IBM
- Data Science 101 -IBM
- Predictive Modeling Fundamentals I -IBM
- Python 101 for Data Science - IBM

🧩 ACTIVITY

HackerRun Problem Solving ✍

03/2025 – present

GitHub Streak Maintenance ✍

10/2024 – present

Member of GDG(Google's Developer Group)

Lucknow, India

Member of Technical team

BBD University, Lucknow, India

LeetCode Problem Solving ✍

AI/ML Workshops Attendee

Lucknow, India

🎓 EDUCATION

BCA Data Science & Artificial Intelligence(in collaboration with IBM)

BBD University ✍

08/2023 – 09/2026 | Lucknow, India

Last Sem SGPA : 8.69

👛 PROFESSIONAL EXPERIENCE

Edubuk ✍

AI Engineer Intern

08/2025 – Present

- **AI Intern at Edubuk, enhancing products like TruCV with AI features** while also contributing as a developer for AI-driven solutions.
- Engineered the backend architecture for **TrueJobs using AWS services, integrating Bedrock for AI-driven processing, S3 for storage, OpenSearch for search and indexing, Lambda for serverless execution, and API Gateway for secure endpoints.**

AICTE ✍

AI/GenAi Intern at QTechSolutions

03/2025 – 08/2025

- Working on a **real-world healthcare site** to develop and integrate an **AI-powered chatbot for doctor consultations, medicine delivery, and prescription recommendations.**
- Implementing **NLP and machine learning** techniques to enhance chatbot accuracy, ensuring seamless and efficient user interactions in a scalable AI-driven system.
- Leveraging **Retrieval-Augmented Generation (RAG)** to provide dynamic, context-aware responses by combining LLM capabilities with real-time retrieval from healthcare databases.

Twilearn ✍

Data Science Intern

01/2025 – 03/2025

- Built DeepSeek-Copy **AI using Ollama locally with the 1.5B model.** Basically Import Deepseek Model from Ollama and customize on my requirement.
- Imported and deployed **large language models (LLMs) locally**, enabling offline generative capabilities for text-based applications.

Unified Mentor ✍

Data Science Intern

11/2024 – 01/2025

- Implemented a **text classification pipeline**, improving document categorization accuracy by 20%
- Developed an NLP-based climate change analysis system using **sentiment analysis and topic modeling** to extract insights from global news articles.

🧠 SKILLS

Programming & Scripting:

- Python, Java

Web Development & Version Control:

- HTML, CSS, JavaScript, Next.js
- Git,GitHub

AI/ML & Deep Learning:

- Machine Learning , Deep Learning, Computer Vision, Neural Networks, NLP, LLMs, RAGs
- Frameworks: PyTorch, Langchain, Streamlit, Scikit-learn, OpenCV, NLTK.
- AWS Bedrocks Models
- Azure OpenAi Sevices

Data Science & Analytics:

- Data Analysis, Data Visualization, Feature Scaling, ETL
- Tools: Power BI, IBM Cognos, Jupyter Notebook, Matplotlib, Seaborn

Databases & SQL:

- SQL
- Mongo DB
- Vector DB(Opensearch)
- Azure Ai Search

Cloud

- AWS(s3, ApiGateway ,openserach, Lambda fuction, cloudwatch, amazon bedrock)
- CI-CD Pipeline
- AWS CLI
- Azure (fuction app, Azure AI Search, Blob Storage, App Insights, Azure Api Managaement)

PROJECTS

Face Recognition Attendance System :

- Designed and deployed a real-time face recognition attendance system using **Python, OpenCV, and CNN**, achieving **95%+ accuracy** and **reducing manual attendance tracking efforts by over 40%**. Integrated automated data logging and Excel export for seamless record-keeping.

Nextjs Portfolio site :

- **Interactive Portfolio Website** – Built using **Next.js** and deployed on **Vercel**, featuring a **responsive design** and an **AI-powered chatbot** for seamless user interaction. Showcases my skills, projects, and experiences with a dynamic and engaging UI.

Chat Analyzer :

- **Developed a WhatsApp Chat Analyzer using Streamlit and NLP**, extracting key insights and statistics from chat data.

TruJobs - AI-Powered Recruitment System | Edubuk

- Developed enterprise AI recruitment platform automating resume screening and candidate-job matching with 90% time reduction and 100% domain-specific accuracy. Engineered multi-vector similarity algorithm processing 1000+ resumes/day with sub-3-second response times. **AWS Stack: Lambda, Bedrock (Claude 3 Haiku), Titan Embeddings, S3, OpenSearch, API Gateway**
Migrating to Azure: **Functions, OpenAI (GPT-4), Blob Storage, AI Search, APIM**