


# Animesh Giri Goswami

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## Aspiring AI Engineer

Computer Science student specializing in Artificial Intelligence with hands-on experience in developing and deploying machine learning models. Proficient in Python, TensorFlow, and AWS with a proven ability to create practical AI solutions, including an NLP-powered Q&A application and a mutual fund ranking system. Seeking to apply my skills in data analysis and model development to an innovative AI engineering role.

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## Skills

- **Languages:** English(Native Proficiency), Hindi(Native)
- **Programming Languages:** Python, Go, JavaScript, SQL
- **Tools & Technologies:** Git, AWS, Keras, TensorFlow, Pandas, NumPy, FastAPI, Torch
- **Database Systems:** MySQL, DuckDB
- **Analytical Tools:** Tableau, MATLAB
- **Soft Skills:** Adaptability, Team Collaboration, Strong Communication, Project Management, Problem Solving, Data Analysis

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## Experience & Internships

### ValueBound, Indore

April 2025 - June 2025

#### Software Developer Intern :

- Developed and implemented a key feature for a generative AI system using Python and TensorFlow, resulting in a 15% improvement in response relevancy.
- Engineered a data preprocessing pipeline with Pandas and NumPy to clean and prepare a 10GB dataset for training a custom Large Language Model (LLM).
- Contributed to the development of a Retrieval-Augmented Generation (RAG) system by implementing vector embeddings with Keras, enhancing the model's ability to query internal documents.

### IVRM Technology, Indore

January 2025 - March 2025

#### Software Developer Intern:

- Software Testing and Debugging Intern at IVRM Technology, focused on ensuring the functionality and performance of enterprise-level web applications built with PHP, JavaScript, and jQuery.
- Collaborated with the development team to debug and resolve 10+ critical front-end issues, contributing to a 20% reduction in user-reported errors for the updated module.
- Queried and validated data integrity within Oracle CRM, identifying and rectifying data inconsistencies that improved the reliability of customer reports.

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## Education

### Medi-Caps University, Indore

September 2021 - May 2025

**Bachelor of Technology in Computer Science Engineering (with a specialisation in Artificial Intelligence)**

CGPA : 8.41/10

**Relevant coursework:** Data Structures and Algorithms, Database Management Systems, Software Engineering, Artificial Intelligence, Cloud Computing, Operating Systems, Compiler Design, Machine Learning, Exploratory Data Analysis, Object Oriented Programming

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## Projects

- **Talk to PDFs:**
    - Developed a Streamlit Python application with NLP capabilities for summarizing and answering questions about PDF documents.
    - Utilized state-of-the-art language models like GPT-3.5, and implemented embeddings such as LLaMA for accuracy.
  - **Mutual Fund Ranking System:**
    - Built a machine learning model to rank mutual funds based on historical data and market trends.
    - Applied data preprocessing, feature engineering and algorithms like random forests and gradient boosting for data analysis and prediction.
    - Utilized charts and plots on Tableau and Excel for data visualization.
  - **Job -Analyser:**
    - Built a Next.js application that uses AI to analyze job candidate profiles against job requirements, providing a compatibility score and summary to streamline the hiring process.
    - Integrated AI(Gemini and Genkit) for quicker application processing
    - Took help from some existing systems to design the architecture.
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## Trainings And Certifications

- **AWS In-House Training**
    - Participated in AWS In-House Internship on Cloud and Cloud Architecture (June 2024 – July 2024).
    - Gained hands-on experience in AWS services and developed a strong foundation in cloud computing.
  - Machine Learning with Python (IBM – Coursera)
  - Machine Learning Specialisation(Stanford Online)
  - AWS Academy Cloud Foundations (AWS Academy)
  - Advanced Learning Algorithms (DeepLearning.AI – Coursera)
  - Machine Learning A-Z: AI, Python & R (Udemy)
  - AWS Academy Cloud Architecting(AWS Academy)
  - 100 Days of Code: Python(Udemy)
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## Volunteer Work

- Assisted underprivileged children with primary education at Aashraya Vidyalaya, Indore.
- Participated in Republic Day celebrations, organizing educational activities for the children.
- Supported initiatives to enhance learning experiences and foster community engagement for underprivileged kids.

