



Manish Singh

Roll No.:2511AI52

M.Tech

Artificial Intelligence

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.Tech. (AI)	Indian Institute of Technology, Patna	8.36	2025-Present
B.Tech. (CSE)	Graphic Era Hill University, Dehradun	7.97	2020-2024
Senior Secondary	CBSE Board	78.0%	2019
Secondary	CBSE Board	89%	2017

EXPERIENCE

- OpenGenus Foundation [Dev Profile]** *May 2023 - Dec 2023*
Software Developer Intern *Online*
 - Authored 15+ quality articles on Machine Learning, NLP, and Java Programming and simplified complex concepts for hundreds of learners.
 - Contributed projects to the OpenGenus GitHub platform as part of learning, like the Java Checklist page and the Pong game, which has been deployed to production.

PROJECTS

- Legal RAG Chatbot** *Oct '23 - May '24*
Developed a RAG application for the Indian legal corpus, assisting both legal professionals and general public.
 - **Tools & technologies used:** PyTorch, Pandas, NumPy, Gradio, Colab T4 GPU, Gemma 2B-it LLM
- Presence Smart Attendance System (SIH 2022)** *Jul 2022 - Sep 2022*
Developed the Backend for smart attendance system Database Engineer using NoSQL database Firestore.
 - **Tools & technologies used:** Kotlin, Firestore
 - Integrated the Firestore database with the system's mobile application to ensure seamless functionality.

KEY COURSES TAKEN

- Data Structure and Algorithms, DBMS ,Machine Learning, Artificial Intelligence, Computer Newtworks, Operating System, Computer Architecture and Organization, Reinforcement Learning, Data Science, Advanced Pattern Recognition

TECHNICAL SKILLS

- **Programming:** C/C++, Python, SQL
- **Tools & OS:** Git, Jupyter Notebook, Google Colab, Linux, Windows
- **Libraries/Frameworks:** Pandas, Numpy, scikit-learn, matplotlib, Pytorch
- **Web Skills:** HTML5/ CSS3

POSITIONS OF RESPONSIBILITY

- **Teaching Assistant** Under Prof. Jimson Mathew, IIT Patna, Patna *August 2025-Present*
- **Junior Coordinator** Centre for Career Development and Counselling, IIT Patna, Patna *Sept 2025-Present*
- **Assistant Management Coordinator** GEU ACM Student Chapter, GEU, Dehradun *2021*

ACHIEVEMENTS

- **Cleared GATE 2024 and 2025** Cleared GATE 2025 CS examination with an AIR 1252 *2025*
- **Team Runner Up** Smart India Hackathon, MHRD, Government of India. *2022*
- **Runners-Up** Runners-Up in the Hack-o-Holic Hackathon organised by Co-Dev Club at GEHU, Dehradun. *2022*

CERTIFICATIONS

- 'ACM SIGMM Multimodal Reasoning Workshop' organized at IIT Patna.
- 'The Nuts and Bolts of Machine Learning' from Coursera
- 'Introduction to Deep Learning' from Kaggle.