

Manshi Rathour

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| [Portfolio](#) | [LinkedIn](#) | [GitHub](#) | [LeetCode](#) | [GCP](#) | [HackerRank](#)

PROFESSIONAL SUMMARY:

Motivated AI enthusiast and full-stack developer with expertise in web development and data science, actively solving DSA problems, and experienced in building scalable, data-driven applications using ML, NLP, and LLMs.

EDUCATION:

- B.Tech, Computer Science Engineering | *Amity University, Patna* CGPA: 9.1/10 | 2022 - 2026
- XII (CBSE) | *Krishna Public School, Patna* Marks: 93.4% | 2022

EXPERIENCE:

Amazon ML Summer School 2025 (Aug 2025)

- Qualified for Amazon's ML training program through a nationwide assessment.
- Completed 8 ML modules: Supervised/Unsupervised Learning, Deep Learning, Dimensionality Reduction, Generative AI & LLMs, Sequential Learning, Causal Inference, Reinforcement Learning.
- Engaged in 40+ hours of lectures and Q&A with Amazon Scientists, gaining practical ML application insights.

AI Engineer Intern | MDev Solutions (Apr 2025 - Jul 2025)

- Automated end-to-end sales forecasting using n8n, with API-based data extraction, analysis, and ML modeling; initially prototyped in Google Colab and then deployed with 90%+ accuracy for 12-month demand prediction.
- Built an AI-driven construction image analysis pipeline with Telegram Bot, n8n, and AI agents; enabled real-time Q&A, task planning, and report generation, which 100+ active users adopt.
- Developed and deployed a company portfolio using the MERN stack; improved online presence and accelerated client onboarding by 40%.

Machine Learning Intern | Orbitor (Remote) [GitHub](#) (Mar 2024 - Apr 2024)

- Designed a content-based movie recommender system using TF-IDF and cosine similarity after dataset analysis and visualization.
- Engineered a housing price prediction solution using regression techniques; achieved 95%+ accuracy.
- Created a flower species classifier with SVM, attaining 96% precision in classifying iris varieties based on floral measurements.

SKILLS:

- **Programming Languages:** C, C++, Python, Java (DSA)
- **Data Science & Analysis:** Excel, Pandas, Numpy, Matplotlib, Seaborn
- **AI:** Scikit-learn, TensorFlow, PyTorch, LangChain, RAG, LLMs, AI Agents, GenAI
- **Web Development:** HTML, CSS, JavaScript, React, Express, Node.js, Flask, FastAPI
- **Database Management:** MySQL, MongoDB | **Cloud & Tools:** GCP, Azure, AWS, Git, GitHub, Postman, n8n

PROJECTS:

Bhagavad Gita ChatBot | *HTML, CSS, JS, Python, Flask, Groq, NLTK, GCP* [Visit](#) [Code](#)

- Engineered a multilingual and sentiment-aware chatbot inspired by Bhagavad Gita teachings, delivering contextual spiritual insights.
- Enhanced accessibility by integrating voice and multilingual support in 10+ languages for broader adoption.

PDF Assistant | *Python, Phidata, Groq, PostgreSQL, PgVector, AI agent* [Code](#)

- Developed a command-line tool enabling intuitive PDF queries through a knowledge-based architecture.
- Incorporated flexible ingestion via URLs and training-based adaptation, boosting query efficiency by 70%.

Real Estate Price Prediction | *HTML, CSS, JS, Python, Linear Regression, Flask* [Visit](#) [Code](#)

- Built a machine learning model utilizing regression analysis and exploratory data analysis (EDA) to predict Bangalore housing prices with 95%+ accuracy, providing key insights to investors.
- Incorporated interactive user inputs and visual outputs, leading to a 60% increase in usability and engagement.

ACHIEVEMENTS and CERTIFICATIONS: ([Drive Link](#))

- **Google Cloud Arcade Facilitator Program (Jan 2024 – Jul 2024):** Completed Advanced Milestone with 30+ points in labs and challenges; awarded Google Cloud badges and swag. [Check Badges](#)
- **LeetCode:** Solved 150+ DSA problems; earned many badges; ranked in the top 14.5% globally.
- **HackerRank:** Achieved 3 stars in Python and certified in Data Structures and Algorithms(DSA) using Java.