# Shivam Vats

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## EDUCATION

**IIITDM Kurnool**                                                                 Kurnool, AP
*B.Tech in Artificial Intelligence and Data Science*                    *Aug 2023 – Present*

**Greenland Sr. Sec. Public School**                                       Rohtak, HR
*High School, Science*                                                              *Jun 2022*

## EXPERIENCE

**Amazon ML Summer School Trainee**                                  Jul 2025 – Aug 2025
*Amazon India*
- Selected among top **2% candidates** nationwide for an intensive ML program by Amazon.
- Applied deep learning, reinforcement learning, and causal inference to solve **5+ real-world case studies**, strengthening deployment-focused ML skills.

**Machine Learning Researcher**                                           Jan 2025 – Apr 2025
*Next-Gen Computing and Networking Lab, IIITDM Kurnool*          *Kurnool, AP*
- **Collaborated with a 4-member research team**, coordinating experiments and sharing results to align approaches.
- **Presented findings to faculty mentors** through structured reports and discussions, ensuring technical clarity.
- Initiated data augmentation experiments that improved model BLEU score by **12%**.

## PROJECTS

**Sage – AI-Powered Desktop Assistant**                                         GitHub
*Python, PyQt5, Cohere, Groq, Selenium, Stable Diffusion*
- **Independently conceptualized, engineered, and launched** an AI assistant with PyQt5 GUI, adopted by 50+ peers for automation, real-time search, and content generation.
- Integrated Cohere & Groq APIs for conversational AI, Stable Diffusion for image generation, and voice interaction using Selenium and edge-tts.
- Optimized backend pipelines to handle **100+ queries daily with <2s latency**.

**AI-Powered News Agent**                                                         GitHub
*Python, Transformers, SQLAlchemy, Telegram API, Asyncio*
- **Built and integrated** an AI-powered news aggregator delivering **200+ summarized articles daily** to Telegram, saving users ~5 hours/week.
- Achieved **90%+ classification accuracy** using Hugging Face zero-shot transformers across multiple domains.
- Implemented asynchronous architecture with `asyncio`, `aiohttp`, and job scheduling for scalability.

**Portfolio Website**                                                          shivamvats.netlify.app
*HTML, CSS, JavaScript*
- Designed and published a responsive portfolio showcasing projects and achievements, attracting **1,000+ visitors in first 3 months**.

## POSITION OF RESPONSIBILITY

**Coordinator, Dataworks Club**
*IIITDM Kurnool*
- **Led a team of 8 members** in organizing ML and data science workshops for 100+ students.
- **Facilitated communication** between faculty and peers to plan events, ensuring smooth execution.
- Launched an "AI in Practice" seminar series, increasing club engagement by **40%**.

## CERTIFICATIONS

Machine Learning for Engineering and Science Applications (IIT Madras, NPTEL)
Google Data Analytics Professional Certificate (Google, Coursera)
IIT Bombay Certified Python 3.4.3 Training (Spoken Tutorial)

## SKILLS

**Languages:** Python, Java, C, SQL
**Web Development:** HTML, CSS, Flask, Gradio, Figma
**Machine Learning:** Transformers, TensorFlow, Scikit-learn, Hugging Face, BERT, LSTMs
**Developer Tools:** Git, VS Code, PyCharm, IntelliJ
**Libraries:** Pandas, NumPy, Matplotlib
**Others:** Spreadsheets, Power BI