

ABHIMANYU SINGH | MALE, 20 Years

Lucknow, India | [LinkedIn](#) | E-Mail: Chauhanmannu100@gmail.com | Contact: +91 97591 16579 | [GitHub](#)



B.Tech Computer Science | Nation Service Scheme | Technical Trainee |Python | DevOps | Amazon Web Services | Machine Learning

| EDUCATION | | | |
|---------------------|--|---------|-----------------|
| B. Tech (CSE) | Khwaja Moinuddin Chisti Language University, Lucknow | 8.29/10 | Pursuing (2027) |
| Class XII (Science) | Dayawati Modi Academy, Rampur | 70% | 2023 |
| Class X | St. John Vianney School, Rampur | 92.2% | 2021 |

| WORK EXPERIENCE | | | |
|---|---|--|---------------------|
| Technical Trainee Dhex Mediatech Pvt. Ltd. Link | <ul style="list-style-type: none">Built and deployed custom ML models (TensorFlow, PyTorch) on AWS (EC2, SageMaker) using Docker, with scalable, low-latency endpoints.Integrated LLMs & Generative AI APIs (OpenAI, Cohere) with real-time web access and agent web scrapping. | | Nov 2023 – Oct 2024 |

| POSITIONS OF RESPONSIBILITY | | | |
|--|--|--|--------------------|
| Member National Service Scheme KMCLU | <ul style="list-style-type: none">Enabled tech-driven coordination of NSS events using Google Forms, QR codes, and digital communication tools for efficient volunteer management and real-time tracking.Participated in village outreach programs, conducting awareness drives on sanitation, healthcare, and government schemes through interactive sessions and street plays.Contributed to national initiatives like Swachh Bharat, Fit India, and Poshan Abhiyaan; assisted in organizing blood donation camps, health check-ups, and plantation drives. | | Dec 2024 – Present |

| TECHNICAL SKILLS | |
|-----------------------|--|
| Languages | • Python, C++, HTML, CSS, JavaScript |
| Skills | • LangChain, Beautiful Soup, SQL, OpenCv, Pandas, Prompt Engineering, Machine Learning, Data Science, NumPy , Matplotlib |
| Cloud & DevOps | • AWS, Docker, Kubernetes |
| Machine Learning & AI | • TensorFlow, PyTorch, Scikit-Learn, Natural Language Processing, Hugging Face, Deep Learning, Large Language Models |
| Tools & Environments | • Git, GitHub, Windows |

| KEY PROJECTS | |
|---|---|
| LangChain Search Agent Link | <ul style="list-style-type: none">Built a modular LLM system using LangChain, OpenAI GPT-4, and a Streamlit interface, enabling live web scraping (via BeautifulSoup) and context-aware question answering.Improved performance with PromptLayer optimization and adaptive re-prompting for intelligent document summarization, research, and custom Q&A. |
| Internship Recommendation system using MiniLM / Flan-T5 Link | <ul style="list-style-type: none">Developed an AI-powered internship recommendation system utilizing MiniLM embeddings and Flan-T5 to match student profiles with internship opportunities, enhancing placement accuracy.Implemented a multi-modal recommendation pipeline integrating resume parsing, job description analysis, and semantic similarity scoring to deliver personalized internship suggestions. |

| CERTIFICATIONS & ACHIEVEMNETS | |
|---|--|
| Use Generative AI for Software Development IBM SkillsBuild | <ul style="list-style-type: none">Gained hands-on experience in integrating generative AI models into real-world software applications. Learned how to use APIs like OpenAI, fine-tune prompts, and apply AI for tasks such as code generation, testing automation, and intelligent software design. |
| Python Coding and Programming Samsung Innovation Campus | <ul style="list-style-type: none">Completed <i>Samsung Innovation Campus</i> training focused on Python programming, data structures, and algorithmic thinking, gaining practical coding skills and real-world problem-solving experience. |