

# Ayush Kumar

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## Education

Degree	Institute	Board / University	CGPA/Percentage	Year
B.Tech. CSE	Indian Institute of Information Technology Bhagalpur, Bihar	IIIT BHAGALPUR	8.23 (absolute)	07-2021 - 07-2025
Senior Secondary	Army Public School Ranikhet, Uttarakhand	CBSE	93.20%	05-2019 - 05-2020
Matriculation	Lakes International School Bhimtal, Uttarakhand	CBSE	93.00%	05-2017 - 05-2018

## Experience

### Software Development Engineer Intern at Bimaguide

May 2025 - Present

- Contributed to the development of the official Bimaguide application aimed at enhancing individual insurance business growth.
- Built robust and scalable backend services leveraging NestJS to power high-performance web applications.
- Collaborated closely with cross-functional teams to seamlessly integrate backend services with AWS, and optimized AI-driven features for improved performance and efficiency.

### Backend Intern at JnanaMarga Technologies

Sep 2024 - May 2025

- Collaborated closely with cross-functional teams to integrate artificial intelligence solutions, significantly enhancing system performance and automating critical workflows within stock analytics and devotional modules.
- Collaborated with teams to integrate artificial intelligence solutions, enhancing system performance and automating key processes.
- Engineered seamless API integrations, enabling real-time data processing for financial insights and personalized devotional content delivery, improving overall user engagement.

### Data Science Intern at NullClass

Aug 2024 - Sep 2024

- Spearheaded the development of cutting-edge Generative AI and RAG models utilizing Langchain, Gemini, and Llama; enhanced model efficiency by 30%, resulting in a more effective interaction.

## Projects

### Data Abstractor

05-2024 - 06-2024

- Designed and implemented a deep learning model to effectively summarize text inputs, enhancing productivity over time.
- Integrated advanced Natural Language Processing (NLP) techniques, achieving an 80% alignment accuracy with neural network outputs, thereby improving the system's capability to accurately interpret and process natural language.

### Generative AI Chatbot

09-2023 - 10-2023

- Led the design, development, and deployment of a generative AI chatbot using RAG(Retrieval-Augmented Generation) and Gemini and Llama and amplified user interaction by providing contextually relevant and coherent responses across diverse queries.
- Designed and integrated a user-centric chatbot interface with Streamlit, leveraged 5 + libraries and tools to enhance user experience and increase interaction.

## Technical Skills

**Technologies :** Deep Learning , Machine Learning ,Natural Language Processing (NLP), Generative AI, Web Development

**Languages :** C++, Python, SQL, HTML, CSS, JavaScript

**Tools and Frameworks :** Git/GitHub, Figma, Django, FastAPI, Bootstrap , Gemini , Llama , LangChain

**Applications and Libraries:** Google Collab, Anaconda, Power BI , Seaborn, Scikit Learn, matplotlib, pandas, tensorflow

## Achievements

- Mastered over 400 Data Structures and Algorithms problems on platforms including LeetCode, GFG and Codeforces.
- Qualified for Smart India Hackathon 2023 at the college level, and showcased problem-facing skills and innovation in a team of 6.
- Spearheaded strategic initiatives for IIIT Bhagalpur's football club for 18 months, and increased win rate and player engagement.
- Ranked within the top 5% of all participants in the Adobe Gensolve competition for exceptional performance.
- Augmented technical skills by completing several Kaggle and LinkedIn certifications in Machine learning and Web Development, demonstrating expertise and commitment to staying current in the field.[\[links\]](#)

## Relevant Courses

- Data Structures and Algorithms(DSA) , Object Oriented Programming(OOPs),Operating Systems(OS), Computer Networks
- Database Management System,Design and Analysis of Algorithms , Introduction to Cryptography
- Artificial Intelligence(AI) and Machine Learning(ML), Deep Learning, Computer Graphics