

Atul KUMAR

Bachelor of Technology
Computer Science and Engineering
National Institute of Technology Mizoram

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CAREER OBJECTIVES

Aspiring data scientist and machine learning enthusiast with hands-on experience in building scalable AI solutions and full-stack applications. Proficient in Python, machine learning, deep learning, and web technologies, with a strong foundation in data analysis and model development. Looking to contribute to impactful, data-driven projects that solve real-world problems.

EDUCATION

Degree	Institute	Board / University	CGPA/Percentage	Duration
B.Tech	National Institute of Technology Mizoram	NIT Mizoram	9.20 (Till 6th Sem)	2022-2026
XII	ST. Joseph Public School	CBSE	80.6%	2020-2021
X	Mother's Pride International School	CBSE	95.00%	2018-2019

EXPERIENCE

- Indian Institute of Technology (IIT) Patna** Nov 2024 – Jan 2025
Machine Learning Research Intern Patna, India
 - Evaluated 10+ LLMs and VLMs (e.g., GPT-4o, Gemini, Phi-3.5) for bias and summarization across two projects: **CultSportQA** and **Timely Insights**.
 - Conducted 50+ few-shot and chain-of-thought prompting experiments for performance benchmarking.
 - Contributed to result analysis that supported the preparation of research papers.
- Sabudh Foundation** Jan 2025 – Present
Data Science Intern Remote
 - Gained hands-on experience in Python, Machine Learning, and Deep Learning while continuously upskilling in data science tools and techniques.
 - Working on “Document Analysis using LLMs” to build a QA system over 10K+ PDF reports using Langchain and Pinecone DB.
 - Developed pipeline to parse, chunk, and embed documents, then retrieve and refine answers using a local Phi-3 Mini model; deployed an interactive Gradio-based GUI for user queries.

PROJECTS

- Salon Management System** November 2024
React.js, Node.js, Express.js, MySQL [GitHub Repository](#)
 - Developed a full-stack salon management system with customer and employee login for efficient appointment scheduling and service handling.
 - Built a responsive frontend using React.js and a secure backend with Node.js, Express.js, and MySQL.
 - Implemented role-based authentication and optimized APIs to enhance performance and user experience.
- E-Commerce Product Recommender** April 2025
React.js, Tailwind CSS, Firebase [GitHub Repository](#)
 - Built a responsive e-commerce web app with product listing, category-based search, and dynamic recommendations using React.js and Firebase.
 - Implemented a real-time shopping cart and product detail view with Tailwind CSS for modern UI styling.
 - Developed a recommender system providing category-based and user activity-based suggestions.

TECHNICAL SKILLS

- Programming Languages:** C, C++, Java, Python
- Problem Solving:** Data Structures and Algorithms, Object-Oriented Programming, Competitive Programming
- Tools and Frameworks:** VS Code, Git, GitHub, Flask, scikit-learn
- Web Development:** HTML, CSS, JavaScript, React.js, Node.js, Express.js
- Data Science:** Python, NumPy, pandas, scikit-learn, Machine Learning, Deep Learning, Langchain, Pinecone DB, LLM Models
- Databases & Operating Systems:** MySQL, Linux

KEY COURSES TAKEN

- Data Structures, Computer Networks, Operating System, Computer Organization and Architecture, Database Management System, Object Oriented Programming, Design and Analysis of Algorithms