



# Vikash Kumar kharwar

Roll No.: BT22CS035

Bachelor of Technology, Computer Science and Engineering  
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## Career Objectives

My passion lies in AI, aviation, and machine learning, with a strong interest in software development and the MERN stack. An ardent explorer, I enjoy embarking on journeys to new places, enriching my experiences. With a commitment to learning and growth, I am ready to embrace challenges and immerse myself in new endeavors.

## Education

Degree	Institute	CGPA/Percentage	Year of Passing
B.Tech	National Institute of Technology, Mizoram	6.89 (Till 5th Sem)	2026
Class XII	St. Joseph's senior secondary school	96.4%	2021
Class X	St. Joseph's senior secondary school	91.2%	2019

## Internships

- **Internship at Vibesync**

*September 2024 - Present*

Engaged in developing and implementing solutions in React.js, gaining hands-on experience in real-world projects. Additionally, I have been involved in handling large databases according to project requirements.  
[LOR](#)

## Projects

- **Zapier-Lite**

Zapier-Lite is a simplified automation platform inspired by Zapier. It focuses on ensuring atomicity in workflows using a transactional outbox pattern. The platform supports webhooks, email actions, and Solana-based bounty payouts, powered by Kafka for a robust event-driven architecture.

- **CryptoTradeX: Cryptocurrency Exchange System**

This project implements a high-performance cryptocurrency exchange system focusing on scalability, concurrency, and real-time data updates. The architecture leverages modern technologies like Redis, TimescaleDB, and WebSockets to deliver efficient trading capabilities.

- **Paytm Payment Gateway**

Developed a comprehensive digital payment platform that facilitates secure and seamless financial transactions for both users and merchants. The application supports features like user authentication, bank transactions, and merchant-specific operations, making it a versatile tool for financial management.

- **Student Result Management System (SRMS)**

Developed a secure platform for managing student records, academic reports, attendance, and performance analysis, enhancing data accuracy, communication, and efficiency for faculty and administrators through an online interface.

- **OS- Web-Crawler**

A multithreaded web crawler built in C++ that downloads HTML pages, extracts and validates hyperlinks, and processes them recursively up to a specified depth. Includes multithreading for efficient performance and support for custom crawling.

- **Ecommerce - Frontend**

<https://easy-buy-g.netlify.app/>

Developed a dynamic e-commerce website frontend using HTML, CSS, JavaScript, and React.js.

- **react-redux-todo-app**

This project evaluates proficiency in React, Redux, JavaScript, and UI/UX design principles by building a task management dashboard. Users can manage tasks with functionality like adding, editing, deleting, marking as completed, and filtering tasks based on their status.

## Technical Skills

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**Programming Languages:** C, Java, C++, Python, JavaScript, TypeScript

**Tools and Frameworks:** HTML, CSS, Bootstrap, Postman, VS Code, IntelliJ IDEA, PyCharm

**Libraries and Databases:** React.js, Node.js, REST API, MongoDB, MySQL

**Other tech Stacks:** Docker, Software testing, REST API

**Operating Systems:** Windows, Linux (preferred)