



# Ashish Kumar


## Software Development


Passion for Software Engineering , Adept in MERN Stack and DevOps skills , Eager to contribute innovative solution and driven excellence in software development .




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## EDUCATION

### Dr. APJ Abdul Kalam University Kothiwal Institute Of Technology & Professional Studies (KITPS)

08/2019 - 06/2023


Moradabad , Uttar Pradesh ,  
India

*Bachelor of Technology*

- Computer Science Engineering

## PERSONAL PROJECT ---

Server - Scalable - Real-Time - ChatApp  
(11/2023 - 12/2023)

- [ Tech Stack ] -- Next Js | Tailwind CSS | Socket io | Redis Cache | Kafka Broker | PostgreSQL | Docker | Kubernetes | ----- [ Frontend ] -----  
Home page section to showing message .For normal styling used **Tailwind CSS** .To emit the messages from the frontend used **Socket.io-Client** . { **GitHub-Link** } -- [click-me](#)
- ----- [ Backend ] -----
- For **Real time communication** used **Socket io** . **Redis** is used to cache the messages and then emit to the all User and also emit with scalable server connected user .
- To store the messages in the database used **Relation database** [PostgreSQL] but database has **low throughput** .To solve this problem used **Kafka Broker** , because it has **high throughput** .
- To making **schema** in database used **ORM tool** (Prisma).
- { **GitHub-Link** } -- [click-me](#)
- ----- [ Devops ] -----
- Making Infrastructure on **AWS Cloud with Terraform** [ VPC - Subnets - Security Groups - Route Table - Load Balancer - EC2 - Userdata ]
- Making **Jenkins Infrastructure** with Terraform to trigger Application Infrastructure with **Parameters** ( Plan , Apply , Destroy ) .
- Also Run this app in **Docker** , Running Separate sides in container [ **Client** Side and **Server** Side ] . { **GitHub-Link** } - [click-me](#) 

## SKILLS

React Js

Javascript

Tailwind CSS

Next JS

Express Js

Redis Cache

Kafka Broker

PostgreSQL

MongoDB

Jenkins

Terraform

Amazon Web Services (AWS)

Docker

Kubernetes

GCP learning....

## LANGUAGES

English

*Professional Working  
Proficiency*

Hindi

*Professional Working  
Proficiency*

## INTERESTS

Chess

Understanding New Technology

Meditation

Self-Motivated