

# SHASHANK OJHA

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## Education

### Abdul Kalam Technical University

Bachelor of Technology - Computer Science and Engineering (Data Science)

Ghaziabad, India

Expected May 2025

### Central Board of Secondary Education

Vigyan Sanjivani Central College - Intermediate

Jaunpur, India

Completed May 2019

### Central Board of Secondary Education

Vigyan Sanjivani Central College - High School

Jaunpur, India

Completed May 2017

## Technical Skills

Languages: C/C++

Technologies/Frameworks: React.JS, NodeJS, MongoDB, ExpressJS

Tools: Git, GitHub, VS Code

Fundamentals: Data Structures and Algorithms, OOPS Concepts, DBMS

## Projects

### Weather Application

[GitHub](#)

- **Developed** a weather application using **React**, integrating data from multiple APIs for precise, up-to-date weather information
- **Designed** a responsive interface, ensuring smooth functionality across devices and screen sizes
- **Enhanced** performance with React's component-based architecture and state management, leading to a **25%** increase in load speed
- **Implemented** caching strategies to minimize API calls, achieving a **20%** reduction in data usage and faster retrieval

### E-Commerce Application

[GitHub](#)

- **Engineered** a comprehensive e-commerce application with the MERN stack, improving transaction efficiency by **30%**
- **Implemented** features such as user authentication, product management, shopping cart, secure payments, and order processing, enhancing user retention by **35%**
- **Optimized** performance and scalability by designing efficient APIs and leveraging MongoDB's NoSQL features, resulting in a **40%** reduction in load times and a **30%** increase in user satisfaction
- **Streamlined** the checkout process, reducing cart abandonment rates by **20%**

### Gmail Clone

[GitHub](#)

- **Created** a fully functional Gmail clone using the **MERN** stack, integrating MongoDB, Express.js, React, and Node.js to replicate core email functionalities
- **Developed** features such as user authentication, email composition, inbox management, and real-time updates, reducing login times by **25%**
- **Implemented** secure authentication, efficient email composition, and inbox management, cutting email creation time by **40%** and increasing user satisfaction by **35%**
- **Utilized** responsive design principles, ensuring consistent performance across devices and screen sizes

## Profile Links

- [LeetCode](#)
- [GeeksforGeeks](#)
- [CodeStudio](#)

## Certifications

### Introduction to SQL by Simplilearn

March 2024

- Mastered SQL fundamentals and advanced querying techniques for efficient database management

### Programming with C and C++ by Internshala

August 2023

- Completed intensive training on C and C++ programming fundamentals, advanced concepts, and object-oriented programming

## Hobbies

- **Photography**
- **Travelling**
- **Gaming**