

# Akshat Barve

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## EDUCATION

### VIT Bhopal University

B.Tech. in Computer Science Engineering, specialization in Cloud Computing & Automation  
(CGPA – 8.97)

Bhopal, MP

Sep 2022 –Present

## PROJECTS

### DoConvo / Next.js, TypeScript, Tailwind CSS, OpenAI API, AWS

Feb 2024 – May 2024

- Designed and implemented a chat application with customized PDF functionalities, including secure file transfers and access controls; ensured zero data breaches using encryption methodologies.
- Orchestrated real-time communication features, resulting in a 40% increase in user engagement.
- Implemented AI-driven responses using the OpenAI API, improving response accuracy and reducing user wait times by 50%.
- Crafted an intuitive UI with Tailwind CSS that caters to diverse user needs.
- Secured application performance and scalability through AWS integration, enabling the system to handle increased traffic and data loads efficiently.

### Blood Bank Management System / AWS EC2, AWS RDS, MySQL PHP

Aug 2023 - Oct 2023

- Developed a comprehensive cloud-based Blood Bank Management System that securely manages over 500 donor records, ensuring data integrity and accessibility.
- Integrated AWS RDS and EC2, enhancing data handling capabilities and reducing operational costs by 30%.
- Crafted a user-friendly interface using HTML, CSS, and JavaScript, which led to a 25% increase in user adoption and satisfaction among staff and donors.
- Demonstrated expertise in cloud computing and database management, which improved data retrieval times and operational efficiency.

### Flight Management System / Python, Pandas, NumPy

Jan 2022

- Designed a Flight Management System tailored for tourism enthusiasts and frequent travelers, streamlining access to air transport details.
- Implemented advanced data storage and management features, enabling users to efficiently add, update, and retrieve flight information.
- Optimized data handling processes using Python libraries (Pandas, NumPy), which improved a 40% improvement in processing speed and accuracy.

## TECHNICAL SKILLS

**Languages:** Java, Python, C++, SQL

**Web & Frameworks:** Spring Boot, Hibernate, JPA, RESTful Web Services, NodeJS

**Cloud Platforms:** AWS, Google Cloud

**Developer Tools:** Git, Linux

## CERTIFICATIONS

- [AWS Academy Graduate - AWS Academy Cloud Foundations](#) March 2025
- [IBM DevOps Fundamentals](#) March 2025
- [Object Oriented Programming in Java](#) July 2023
- [Fundamentals of Cloud Computing](#) June 2023