Akshat Barve

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EDUCATION

VIT Bhopal University	*Bhopal, MP*
B.Tech. in Computer Science Engineering, specialization in Cloud Computing & Automation (CGPA – 8.93)	*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, React.Js

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*