

OMKAR BABAR

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PROFILE

B.Tech Computer Science graduate specialized in Cloud Computing and Automation, with hands-on skills in Java, Python, React, Tailwind CSS, and AWS. Proficient in Docker, Git, and GenAI tools. Passionate about building scalable web applications and exploring cloud-native and AI-powered solutions.

EDUCATION

Bachelor of Technology in Computer Science 2026
VIT BHOPAL University, BHOPAL. CGPA : 8.33

H.S.C, Class XII 2022
Lal Bahadur Shastri Jr. College, 83.33%

CBSE, Class X 2020
Vivekananda English School, 93.8%

SKILLS AND INTERESTS

Programming Languages:	Java, Python
Web Technologies:	HTML, CSS, Tailwind CSS, JavaScript, React
Database:	MySQL, MongoDB
Version Control:	Git, GitHub
Developer Tools / Cloud:	Docker, AWS, GenAI

PROJECTS

Dhruv Tara – Educational Web Platform 2025
Full Stack Project

- Developed a full-stack educational platform with video lectures, GenAI chatbot, and multilingual summarizer.
- Implemented Firebase authentication and a course recommender based on user behavior.
- **Technologies:** HTML, CSS, JavaScript, Python, Firebase, Groq API, GenAI

Airline Management System 2024
Java + MySQL Project

- Built a Java-based system for managing bookings, flights, and customer records.
- Integrated JDBC with MySQL for real-time data access and seat tracking.
- **Technologies:** Java, MySQL, JDBC

Brain Tumor Detection (CNN) 2024
Deep Learning Project

- Created a CNN model using AI libraries for MRI classification with high accuracy.
- Improved the model by cleaning the images and adding variety through image changes; checked how well it worked using accuracy, precision, and recall..
- **Technologies:** Python, TensorFlow, Keras, OpenCV, NumPy

POSITIONS OF RESPONSIBILITY

Technical Co-Lead, Eureka Club • Led hackathons, contributed to Advitya, mentored peers, and streamlined technical event planning.

Finance and Documentation Head, Android Club • Managed budgets, resources, and maintained event documentation; coordinated multiple tech workshops.