

Akshat Singh

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 akshatt022.github.io/Portfolio/

EDUCATION

- **Bachelor of Technology in Computer Science and Engineering (AIML)** 2022-26 **CGPA: 7.74**
Lakshmi Narain College of Technologies and Science, Bhopal
- **Higher Secondary** 2021-22 **85%**
MayFlower Public School, Bhopal
- **High School** 2019-20 **87.3%**
MayFlower Public School, Bhopal

TECHNICAL SKILLS AND INTERESTS

- **Programming Languages:** C++, JavaScript, C#
- **Frontend:** React.js, Next.js, HTML, CSS, Tailwind CSS
- **Backend:** Node.js, Express.js, REST APIs
- **Databases:** MongoDB, SQL, Mongoose
- **Cloud & DevOps:** Docker, AWS ECS, AWS ECR
- **Tools:** Git, GitHub, VS Code, Postman
- **Technologies:** JWT Authentication, Socket.IO, WebRTC, C++ STL
- **AI & LLM Tools:** GitHub Copilot, Claude Code, OpenAI Codex, Gemini, Groq API
- **Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems
- **Problem Solving:** Solved 209+ Data Structures and Algorithms problems on LeetCode using C++.

PERSONAL PROJECTS

- **Cloud Code Editor**  Cloud Code
Real-time collaborative cloud-based code editor with containerized deployment
 - Built a collaborative code editor supporting live multi-user editing using Next.js and Socket.IO.
 - Containerized and deployed the application with Docker, AWS ECS, and Amazon ECR.
 - **Tech:** Next.js, Node.js, Express.js, Socket.IO, Docker, AWS ECS, AWS ECR.
- **Mockint: Online Mock Test Generation & Test Preparation Platform**  Mockint
A full-stack exam prep platform with real-time feedback, built with AI integration potential.
 - Supports multiple competitive exam with session management and real-time feedback.
 - Architected with extensibility for LLM-powered features — AI-generated questions via prompt engineering, adaptive difficulty using embeddings.
 - **Tech:** React.js, Node.js, Express.js, MongoDB, Mongoose, JWT Authentication, Tailwind CSS.
- **BizAI**  BizAi
AI-Powered Local Commerce Platform
 - Developed a full-stack AI-powered platform connecting local shop owners with nearby customers for real-time inventory browsing and order placement.
 - Implemented AI-driven insights, revenue forecasting, and growth recommendations using Groq (LLaMA 3.1).
 - **Tech:** React, Node.js, Express.js, MongoDB, Mongoose, Tailwind CSS, JWT, Groq API.

CERTIFICATIONS

- **MERN Stack Web Development Certification** May - July 2023
- **ChatGPT Prompt Engineering for Developers** DeepLearning.AI x OpenAI