

HARIHAR BAJPAI

+91 7017645320 | Harihar701764@gmail.com | GitHub | LinkedIn

EDUCATION

VIT Bhopal University

B.Tech in Computer Science Engineering; CGPA: 8.21

St. Mary's Inter College

12th Standard; 81.2%

St. Mary's Inter College

10th Standard; 81.8%

Bhopal, Madhya Pradesh

May 2026

Etawah, Uttar Pradesh

July 2022

Etawah, Uttar Pradesh

July 2020

TECHNICAL SKILLS

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

Web: HTML, CSS, JavaScript, React.js, Node.js, Express.js, TypeScript, Next.js, TailwindCSS

Database: MySQL, MongoDB

Tools: Git, Postman, Google Sheets

PROJECTS

ProHireHub (MERN Stack)

March 2025

- Built a full-stack job portal (MERN) with optimized API and authentication, leading to 70% faster load times and 300+ signups in first week.
- Created RESTful APIs and responsive UI layout, achieving mobile usability and 90% cross-browser compatibility.
- Integrated AI chatbot automating 80% of user queries, reducing manual support by 60%.

GICPL (MERN Stack)

December 2024

- Developed cricket statistics portal with RESTful APIs, cutting API latency 40% and maintaining 95% uptime for 20+ daily users
- Created responsive frontend with 3D player cards and lazy loading, achieving 100% mobile usability and 30% longer sessions
- Built JWT-authenticated admin dashboards automating 70% manual processes with integrated analytics

BitCrush (C++ Project)

July 2025

- Designed file compressor using Huffman Coding with priority queues/trees, significantly reducing file sizes
- Implemented custom binary coding via bit manipulation and Huffman Trees for optimal compression
- Ensured robustness through binary I/O handling, edge case management, and memory control

VIRTUAL PROGRAMME

Electronic Arts (EA) Software Engineering Virtual Experience

Remote

Forage Virtual Internship

June 2025

- * Proposed and documented a new feature for EA Sports College Football, targeting user retention for a 15% lift.
- * Designed a class diagram and authored C++ header files for feature implementation across 3 core modules.
- * Patched a live bug by replacing linear data structures with hash-based lookup, reducing response lag by 65%.

Walmart USA Advanced Software Engineering Virtual Experience

Remote

Forage Virtual Internship

June 2025

- * Completed multi-team engineering simulation, delivering 4 fully tested code modules.
- * Architected a heap data structure in Java that improved task sorting speed by 2.5x in shipping logic.
- * Designed UML class diagram for a processor with 3 operating modes and 5+ database configurations.
- * Created ER diagram for pet department database system enabling tracking of 100+ daily transactions.

EXTRACURRICULAR

Taekwondo

State Level Silver Medalist

BashCraft Club, VIT Bhopal

Tech Lead

Badminton

District Level Champion

Cricket Tournaments

Played and Managed Various Local Events

ADDITIONAL INFORMATION

Languages: English (Fluent), Hindi (Fluent)

Skills: Creative Thinking, Analytical Reasoning, Communication, Teamwork, Leadership, Conflict Resolution, Patience, Listening

Interests: Technology, Cricket, Travelling, Cooking, Badminton