

ABHAY PRATAP SINGH

Jabalpur, Madhya Pradesh

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Education

Jabalpur Engineering College

Bachelor of Technology in Information Technology

2020 - 2024

CGPA 7.95/10

Bardsley English Medium Senior Secondary School

Senior Secondary School Examination (XIIth)

2018-2019

PERCENTAGE 90.80

Bardsley English Medium Senior Secondary School

Senior Secondary School Examination (Xth)

2016-2017

CGPA 9.6/10

Technical Skills

Coding Languages/Frameworks/Libraries: C++, ReactJS, NodeJS, Python, HTML, Tailwind CSS, JavaScript, MongoDB

Development Tools: VS code, Git, GitHub, Jupyter, Docker

Core Subjects: Object Oriented Programming, Operating System, DBMS, Computer Networks, Data Structure and Algorithms(DSA)

Work Experience And Trainings

Indian Railways

June 2022 – July 2022

Software Development Engineer Intern

Jabalpur, India

- Helped in maintenance of Railway Ticket Reservation Systems with around 50,000 user reservations on average everyday using **C++** and **Linux CLI**.
- Maintained a server with around **3,000** nodes.
- Transferred large databases using **SQL** and **CAT** 6 LAN cables with an average speed of 7 Gbps.

Projects

BlogRealm | *HTML, CSS, ReactJs, Appwrite* | [Link](#)

- A comprehensive blog platform featuring a user-friendly interface with seamless user login and logout functionality
- Appwrite serves as a backend-as-a-service platform
- Having a range of Create, Read, Update, and Delete (**CRUD**) operations accessible at both user and admin levels.
- The technology stack includes ReactJS, Tailwind CSS, Redux Toolkit, and Appwrite

VidVerse | *Node.js, Express.js, MongoDB* | [Link](#)

- Vidverse is a backend system developed in Node.js, designed to power a YouTube-like video streaming experience.
- Vidverse offers a range of essential functionalities including watch history tracking, video likes, comments, and video ownership management..
- With MongoDB as its reliable database along with implementation of some Aggregation Pipelines

PdfGenie | *Langchain, ReactJs, ExpressJs, NodeJs, SupaBase* | [Link](#)

- PdfGenie** is a PDF chatbot developed using **Node.js** and **ReactJS**, designed to extract and analyze content from PDF documents.
- PdfGenie provides functionalities such as natural language understanding through **LangChain** and the **Google Gemini API**, and efficient document search using **Supabase** as a **vector database** for storing and retrieving vector embeddings.
- With a user-friendly **ReactJS** frontend and a robust **Node.js** backend, PdfGenie ensures smooth interaction and real-time processing of PDF-based queries.

Achievements and Extra Curriculars

- * Solved **500+ problems** on GeeksForGeeks
- * Worked as core team member in the **Web Development** team for **Google Student Developers Club(GDSC)** for **2 semesters**
- * Worked in the media and content team for AAVAHAN(JEC Sports Fest)