

SHASHANK BAIRAGI

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EDUCATION

Jaypee University of Engineering and Technology, Guna

Aug 2022 – Jul 2026

Bachelor of Technology in Computer Science and Engineering

- **Relevant Coursework:** Data Structures & Algorithms, Databases, Operating Systems, Software Engineering.

INDUSTRY EXPERIENCE

Agnirva

April 2025 – June 2025

AI Engineering Intern

Bengaluru, India (Remote)

Agnirva AI Internship program summer 2025.

- Designed custom visual and multimedia assets using generative AI tools like Canva AI, Dall-E 3, Adobe Firefly, Eleven Labs, and Runway, applying text-to-image, video editing, and voice synthesis techniques.
- Explored AI applications in scientific domains, leveraging machine learning for climate data modeling and satellite imagery analysis to extract actionable insights.
- Developed skills in prompt engineering, multimodal AI integration, and evaluating AI tool performance for real-world use cases.

TECHNICAL PROJECTS

Carobar

TailwindCSS, MongoDB, Photoshop, JavaScript

- Built a responsive web app product for online car customization and service inquiries via **Vercel AI SDK & OpenAI**, featuring a responsive UI with **Tailwind CSS** and fascinating visual through **Photoshop**.
- Designed a scalable backend and real-time database integration with **MongoDB**.

Bus Booking

Python, Tkinter, SQLite3

- Built bus booking platform using **Python and Tkinter**, integrating database with **SQLite3** for storing and managing bus and customer data efficiently.
- Focused on query optimization and resolving data consistency issues.

Face Sentiment Analyzer

Python, OpenCV, TensorFlow, CNN

- Developed a face sentiment analyzer in **Python**, combining **TensorFlow** for training ML models on large image datasets and **OpenCV** for real-time face detection.
- Enhanced the efficiency and responsiveness of ML model (**CNN**) handling real-time streaming inputs

PrepTalk

React.js, Node.js, OpenAI API, Firestore, Web Speech API

- Developed an AI-powered web platform leveraging **OpenAI** and **Web Speech APIs** simulating technical interviews in real-time, analyzing job descriptions, generating relevant questions, and conducting mock interviews via voice/video.
- Managing and storing generated questions and responses with **Firestore's Firestore**.
- Managed backend API integrations and debugging to ensure seamless user interactions

ACHIEVEMENTS

Cummins Scholar

- Secured position among 250 achievers across India in Nurturing Brilliance Program.

Hackathon Finalist (Kodeathon)

- Finalist in hackathon competition held at JUET.

Leetcode

- Solved 150+ problems on Leetcode.

TECHNICAL SKILLS

- **Languages:** C++, Java, Python, JavaScript
- **Frameworks:** React.js, Next.js, Express.js, Node.js, FastAPI, Vercel AI SDK, OpenAI SDK
- **Databases:** PostgreSQL, MySQL, MongoDB, Supabase, PGvector
- **Tools & Technologies:** Git, GitHub, Docker, Prisma, Linux, Vim, Canva, Azure, LangChain, Render, Vercel