



AKASH KUMAR

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EXPERIENCE

Freelance

August 2023 – May 2024

Fullstack Developer

Guna, Madhya Pradesh, India

- Developed comprehensive frontend and backend systems by integrating various frameworks and APIs, utilizing tools like the MERN stack.
- Designed and delivered software and web application solutions tailored for small-scale businesses, ensuring scalability and support.
- Managed full development lifecycle from planning and design to deployment, ensuring cohesive and high quality product delivery.
- Optimized database management and server logic, enhancing application responsiveness and reliability.

TECHNICAL SKILLS

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

Libraries/ Frameworks: ReactJS, NextJS, NodeJS, ExpressJS, Flask

Tools/ Platforms: Heroku, AWS, Git, GitHub, Docker, CI/CD, Firebase

Databases: MySQL, SQLite, MongoDB

ACADEMIC AND PERSONAL PROJECTS

EventWhiz | TypeScript, NextJS, MongoDB, TailwindCSS | [Github](#) | [Live](#)

December 2023

- Developed an events management application that serves as a platform for organizing and promoting events globally.
- Leveraged **NextJS** in a monorepo integrating both frontend and backend with **TypeScript** for type safety.
- Integrated **React Hook Form** and **Zod** for form management and data validation, **TailwindCSS** for efficient UI design.
- Used **Mongoose** for efficient **MongoDB** database interactions, ensuring data integrity and performance.

UrbanNook | ReactJS, ExpressJS, MongoDB, Redux, Firebase | [GitHub](#)

March 2024

- Led the development of UrbanNook, a modern real estate marketplace leveraging the dynamic **MERN** stack.
- Implemented authentication methodologies, including **Firebase** and **Google OAuth**, ensuring ironclad security.
- Pioneered real-world **CRUD** operations with **MongoDB**, fortified with **JWT** authentication and **Redux** toolkit integration.

TranscriptTrek | Python, HTML, CSS, JavaScript, Flask, YouTube API | [Github](#)

September 2023

- Developed a web application that leverages YouTube captions to generate concise and informative textual summaries of YouTube videos.
- Created a tool for researchers, allowing them to quickly understand the essence of a video's content without watching it in full.
- Leveraged the YouTube transcript API to retrieve transcripts, processed by a machine learning model for summarization.

Digit-Recognition-Application | Python, Scikit-Learn, OpenCV, SVC | [GitHub](#)

January 2023

- Developed an OCR system to predict handwritten digits using **CNN**.
- Utilized **Support Vector Classifier** and **Keras** sequential model, trained on the **MNIST** dataset.
- Leveraged **Scikit-Learn** for ML functionalities, **TensorFlow** for deep learning, and **OpenCV** for real-time computer vision tasks.

EDUCATION

Jaypee University of Engineering and Technology

November 2021 – Present

Bachelor's of Technology in Computer Science

Guna, Madhya Pradesh, India