

# AKASH KUMAR

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## EXPERIENCE

### B&G Clothing

Frontend Engineer

June 2024 – August 2024

Prayagraj, Uttar Pradesh, India

- Developed high performance web application using **Vite**, **React**, and **TypeScript** for faster load time.
- Implemented **Tailwind CSS** for responsive design, ensuring seamless experience across all devices.
- Built reusable components and optimized code for performance, reducing load times by **30%**.
- Architected a multi-repo Git setup, for modular development and boosting cross-team collaboration.

### Freelance

Fullstack Developer

August 2023 – May 2024

Bengaluru, Karnataka, India

- Developed comprehensive frontend and backend systems by integrating various frameworks and APIs.
- Designed and delivered software and web application solutions tailored for small-scale businesses.
- Managed full development lifecycle from planning and design to deployment, ensuring 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, NodeJS, ExpressJS

**Tools/ Platforms:** AWS, Git, GitHub, 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, 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.
- Implementation of 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.
- A tool for researchers, seeking to quickly understand the essence of a video's content without watching it in full.
- Leveraging the YouTube transcript API that retrieves the transcript of the selected video, which is then processed by a machine learning model for summarization.

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

January 2023

- Optical Character Recognition system designed to predict output of handwritten images basically digits using **CNN**.
- Leveraging **Support Vector Classifier** and **Keras** sequential model, we trained our models on the **MNIST** dataset.
- Utilizing **Scikit-Learn** for machine learning functionalities, **TensorFlow** for deep learning capabilities, and **OpenCV** for real-time computer vision tasks.

## EDUCATION

Jaypee University of Engineering and Technology

Bachelor's of Technology in Computer Science

November 2021 – Present

Guna, Madhya Pradesh, India