KALASH CHIKARA

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EDUCATION

Chitkara University *Rajpura, Punjab*
Bachelor of Engineering in Computer Science CGPA:9.56 *August 2020-August 2024*

RR MORARKA PUBLIC SCHOOL *Najibabad, Uttar Pradesh*
Class XII   Percentage:80.6% *2019-2020*

TECHNICAL SKILLS

Programming Languages: C++, Java, JavaScript
Web Technologies: React.js, Redux, JavaScript, HTML, CSS, Node.js, Express.js, REST APIs, Material-UI, Bootstrap
Databases: MongoDB, MySQL, DBMS
Developer Tools: Git, GitLab, Postman, Docker, Jenkins, VS Code

EXPERIENCE

Brane Enterprises Pvt. Ltd. Bengaluru, Karnataka

Associate Solution Leader Trainee/ Frontend Developer September,2023 – September,2024

- Developed a scalable **Triage System** utilizing **React.js**, **Node.js**, and **MongoDB** to manage and analyze **100K+ daily UI/API test cases**, achieving a **40-50% reduction** in triage time for the QA team and a **25**% increase in overall team productivity.
- Collaborated with backend teams to **integrate RESTful APIs**, streamlining **application workflows** and delivering an enhanced, seamless **user experience** with a **10**% decrease in user complaint rates.
- Boosted database performance by **indexing** key and **optimizing queries**, decreasing data retrieval time by **30**%.
- Engineered and deployed advanced **UI components** with **Material-UI**, significantly improving the platform's **responsiveness**, usability, and visual consistency, resulting in a **15**% **increase** in user satisfaction.
- Architected an **Expense Management Solution** that automated financial workflows, reducing manual data entry by **70**% and increasing reporting accuracy, improving efficiency and reliability of financial tracking.
- Built advanced features like **Optical Character Recognition (OCR)** for automated data extraction from receipts using **Tesseract OCR,** improving data entry speed.
- Implemented **Real-Time Currency Conversion** using the **Forex-Python library**, simplifying international expense management.

ACADEMICS PROJECTS

Convo-Link (GitHub Link)

- Designed a **real-time chat application** using **Express.js**, **Socket.IO**, and **Node.js**.
- Optimized communication efficiency with a **40%** faster message delivery rate.
- Integrated **audio notifications** for incoming messages to enhance user interaction.
- Streamlined user tracking to improve engagement.
- Improved user interaction and provided a more engaging and **responsive** chat experience.

Gemini-Clone (GitHub Link)

- Created a **fully-responsive** clone of the Gemini AI interface **React** and **CSS**, enhancing user interaction metrics by **50%**.
- Implemented **Context API** for efficient state management, resulting in a **30**% reduction in data flow issues and improving component interaction.
- Adopted flexible **routing** and **lazy loading** techniques to optimize application load times.
- Utilized **React Hooks** to create interactive features, ensuring smooth functionality and better user engagement.

CERTIFICATES

Object Oriented Programming *Issued by: Coding Ninjas*
Introduction to Web Development *Issued by: Coding Ninjas*