VIGNESH M BALASE

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Portfolio: https://vignesh-balase-portfolio.netlify.app/ | www.linkedin.com/in/vigneshbalase07 | Current Location: Bangalore, Karnataka

PROFILE SUMMARY

Enthusiastic Full Stack Developer with knowledge in the MERN stack and practical experience in JavaScript, HTML5, and CSS. Proficient in utilizing Postman for comprehensive API testing to ensure reliable and efficient backend communication, and Git for version control in building responsive web applications. Eager to leverage skills and commitment to continuous learning to contribute effectively to a dynamic development team.

PROJECTS

- **Personalized Educational Android Application:**
  - Engineered a mobile app for college management, addressing the need for real-time communication and data tracking across the College ecosystem.
  - Used React Native and the MERN stack to integrate features such as attendance tracking, event photo sharing, and timetable management, ensuring a smooth user experience across devices.
  - Improved parent-teacher engagement and administrative efficiency, allowing parents to track student progress and activities in real-time, serving a large user base.
- **E-commerce Bakery application for Bakies Cakery:**
  - Developed a highly intuitive cake ordering platform, ensuring seamless and secure online transactions while managing complex product configurations.
  - Built the platform using React.js and Node.js, integrated **Razor pay** for secure payments, and implemented a user-friendly interface that simplified the ordering process.
  - Improved user satisfaction and reliability, enhancing the bakery's online revenue stream and supporting scalability as demand grew.
- **Truck Dispatch Management System:**
  - Designed a web-based system to manage and tracking truck movements, overcoming the challenge of real-time coordination of multiple dispatches.
  - Developed the platform using HTML, CSS, Python, and MySQL, with features for real-time tracking and security authorization for each truck's departure.
  - Significantly reduced manual tracking and errors, improving operational efficiency and accountability within the logistics department.

WORK EXPERIENCE

Full Stack Developer Intern at GenTechLead, Dharwad (Mar 2024 - Present)

- Spearheaded the integration of realtime data tracking and user interface enhancements for an internal Android app using React Native and **Google Maps API**.
- Reduced data retrieval time by 40%, streamlining overall user experience
- Built server-side components using Node.js and Express.js, ensuring efficient data handling and smooth interaction with front-end React Native components.
- Worked with MongoDB for database management and real-time data syncing, ensuring reliable storage solutions.
- Contributed to a team-based participating in code reviews and implementing best practices to reduce bugs and improve performance by 25%.

Python Intern at InDataAi Software Solutions (Oct 2022- Nov 2022)

- Developed and implemented machine learning models for analysing large datasets, improving prediction accuracy by 25%.
- Utilized Python libraries such as **Pandas**, **NumPy** and **Scikit-learn** for data processing, model building, and testing.
- Enhanced the user interface using **HTML**, **CSS**, **JavaScript** and **Bootstrap** resulting in improved user interaction and ease of use.
- Designed and integrated **data visualization** dashboards using **Matplotlib** and **Seaborn**, enabling real-time insights and trend analysis for better decision making.
- Collaborated with the team to implement **predictive analytics** that helped streamline decision-making processes for the end users.

TECHNICAL SKILLS:

- **Languages:** C, C++

- **Frontend:** HTML5, CSS, JavaScript, ReactJs, React-Native.

- **Backend:** PHP, Nodejs, ExpressJs, Python, Django.

- **Database:** MySQL, MongoDB, Firebase.

- **Others:** IOT, Power-BI.

QUALIFICATION:

- **Master of Computer Application (MCA):**

  KLE Institute of Technology, Hubli

  CGPA:8.6/10 | 11/2021 -10/2023

- **Bachelor of Science (BSc), Mathematics:**

  Government Arts and science college, Karwar

  Percentage: 76% | 06/2018 – 10/2021

ACHIEVEMENT'S:

- Developed and deployed a web-based application to calculate both **cumulative and semester grade** point averages, utilizing static credit points for accuracy.

- Created a **Healthcare management** web application that allows users to send feedback to the admin, with the feedback automatically forwarded via email for streamlined communication.