DEEPAK KUMAR

 Github
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👤 ABOUT ME

- Highly motivated full-stack developer with expertise in Web and Windows application development, data engineering, and machine learning.
- Proficient in .NET Core, React.js, and Python, with experience in developing complex systems across various platforms.
- Strong problem-solving skills, collaborative team player, and dedicated to delivering high-quality solutions.
- Eager to learn new technologies and continuously enhance skills in a dynamic tech environment.

💼 EXPERIENCE

Aarkay Techno Consultants Pvt Ltd   Nagpur, India
Intern   *2021.01-2021.06*

- Developed a Truck Management and Indenting System using .NET Core MVC, which enables tracking of each truck's current status and allows users to request trucks from transporters.
- Collaborated with the team to implement features that enhance the system's usability and performance.
- Assisted in integrating various components of the application, ensuring smooth operation and user experience.

Aarkay Techno Consultants Pvt Ltd   Nagpur, India
Senior Developer   *2021.07-Present*

- Developed an Asset Verification and Barcode System using React.js and .NET Core Web API, which helps users track the current status and condition of each asset.
- Implemented features to map RFID tags and conduct offline verification using an Android app, including data synchronization with the main database.
- Enhanced system functionality by integrating offline and online data synchronization, improving asset tracking accuracy and operational efficiency.
- Collaborated with cross-functional teams to ensure seamless integration of new features and maintain high standards of system performance.

⚙ PROJECTS

Milk Bakery Order Management

- Developed using React.js and .NET Core Web API to streamline the order management process for a bakery.
- Implemented a feature where customers can place orders directly, which are then verified by the admin.
- Integrated the system with SAP, allowing for automatic billing upon order verification.
- Built a module to retrieve and store customer bills from SAP, ensuring accurate and up-to-date financial records.
- Enhanced the overall system efficiency by automating order processing and billing workflows.

Face Recognition Model

- Developed an Android app using Flutter for efficient attendance tracking through facial recognition.
- Implemented image capture and transmission to a Python Flask API, utilizing OpenCV and Dlib for processing.
- Improved attendance accuracy and convenience, allowing users to record their presence without physical interaction.

Integration with Direct Apply Printer

- Led the integration of LINX Inkjet and Videojet printers into a custom application, enabling direct message creation on the printers.
- Enabled direct communication between the application and printers using HEXA text, streamlining the printing process.
- Enhanced operational efficiency by allowing seamless message updates on printers without manual intervention.

Weighbridge Management Application
- Developed a robust Windows application using the .NET Framework to manage the weighing process of vehicles during both entry (IN) and exit (OUT).
- Integrated IPC cameras for real-time image capture at each stage, utilizing SDKs from Dahua and Hikvision for direct and seamless access to the camera feeds.
- Designed a comprehensive system for accurate vehicle data recording, including the storage of each vehicle's weight, material type, and truck records in the database.
- Implemented automated slip generation for company records, streamlining truck movement tracking and ensuring precise documentation for operational efficiency.

Truck Management and Indenting System
- Developed using .NET Core MVC to enable tracking of each truck's current status and allow users to request trucks from transporters.
- Implemented features to enhance system functionality and user experience.

Asset Verification and Barcode System
- Created for Hindalco Industries using React.js and .NET Core Web API to track asset status and condition.
- Integrated RFID mapping and offline verification with an Android app, including local and main database synchronization.

🏛 EDUCATION

RTMNU University, Nagpur
Diploma in Computer Science   *2018.03-2021.02*
- Completed coursework in core computer science subjects, including programming, data structures, and algorithms.

RTMNU University, Nagpur
Bachelor of Engineering in Information Technology   *2021.03-2023.02*
- Specialized in Information Technology with a focus on software development and systems engineering.
- Completed projects related to web development, machine learning, and database management.

⚙ SKILLS

Technical Skills
- **Web Development**: CSharp, .NET Core Web API, Entity Framework, React.js, HTML, CSS, JavaScript (Node.js, Bootstrap, Tailwind CSS)
- **Data Engineering**: SQL, PostgreSQL, MongoDB, Oracle, SQLite
- **Machine Learning**: OpenCV, Dlib, Face Recognition, Python
- **Infrastructure**: AWS, Docker, IIS Server, NGINX, FFmpeg-kit, Android Development (Java, Flutter)

Languages
- **Languages**: Hindi (Native), English (Fluent), Marathi (Fluent)