Vishnuvarathan B

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Education

Rajalakshmi Engineering College	2018-2022
Bachelor of Engineering	*8/10 CGPA*
Tamil Nadu SSLC Board	2017-2018
Neelan Matric Hr.sec school	*93.8%*

Experience

Software Developer   2023 – Current

BLP Industry AI Pvt Ltd

- Implemented microservices architecture using Node.js and Express, improving API response time by 25% and reducing server load by 30%.
- Led a cross-functional team in implementing a new feature using Angular, resulting in a 20% increase in user engagement within a short timeframe.
- Played a crucial role in troubleshooting and resolving technical issues, significantly contributing to system stability and minimizing disruptions.
- Served over 15 clients, including Jindal Steel, Eicher, and Indian Railways, delivering high-quality solutions that resulted in a 20% increase in operational efficiency and a 15% reduction in costs.

Graduate Engineer Trainee   Jun 2022 – Nov 2022

BLP Industry AI pvt Ltd

- Developed and maintained scalable backend services using Node.js and Express.js.
- Designed and managed databases, including MongoDB, Firestore, and PostgreSQL.
- Implemented user authentication and authorization using JWT (JSON Web Token) for secure API access.
- Created user-friendly web applications with Angular, following best practices and coding standards.
- Successfully integrated web applications with various APIs and executed Firebase queries for seamless functionality.

- Automated Excel and PDF report generation, enhancing workflow efficiency and minimizing manual efforts.

Projects

PREDICT AI | *MEAN Stack*

- Developed scripts to calculate Overall Equipment Effectiveness (OEE), improving machine efficiency by 25%.
- Established an alert system for proactive maintenance, reducing machine downtime by 30% by promptly notifying customers of threshold exceedances.
- Created an intuitive user interface using Angular, enhancing user experience and decreasing report generation time by 40%.

TRACK AI | *MEAN Stack*

- Developed and integrated API to show the movement and location of rakes, trains, and buses, improving tracking accuracy by 35%.
- Established an alert system for speed, battery, and halt status, reducing downtime by 20% by promptly notifying customers of threshold exceedances.
- Designed and implemented APIs to allow the frontend to interact with the backend, resulting in a 50% reduction in data retrieval time.
- Built a responsive frontend using Angular, enhancing real-time monitoring capabilities and increasing user satisfaction by 30%.

Technical Skills

Technologies: Javascript,Nodejs, Angular, expressjs,Bootstrap,Mongodb,Firebase
Concepts: Cloud Computing,Git,Web Pentesting

Achievements

Node Package

- Created a highly functional and user-friendly Node Package Manager to simplify database connections, queries, and document editing for developers.
- Enhanced developer productivity by streamlining these tasks, allowing them to focus on other essential project elements.
- Improved efficiency and accuracy in database operations, reducing development time by 30%.