BARANIDHARAN B

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EDUCATION

SRI RAMAKRISHNA ENGINEERING COLLEGE   Coimbatore, TN

Bachelor of Technology in Artificial Intelligence and Data Science   Nov 2020 - May 2024

CGPA: 7.9/10

Relevant Coursework: Machine learning, Deep learning, NLP, Python Programming, Data Analytics

TECHNICAL SKILLS

Frontend Development: React.js, HTML, CSS, JavaScript, Tailwind CSS
Backend Development: Node.js, Express.js, Firebase
Languages: Python, JavaScript
Databases: MongoDB, Firebase cloud firestore.
Other Tools: OpenCV, PyTorch, TensorFlow, Facenet

WORK EXPERIENCE

PROTOWIZ PRIVATE LIMITED   Coimbatore, TN

Software Developer Intern   March 2024 – August 2024

- Built full-stack applications using React.js for the frontend and Node.js for the backend.
- Integrated RESTful APIs and Firebase for real-time data synchronization and authentication.
- Enhanced the backend architecture by optimizing database queries and improving system performance

PROJECTS

IoT Device Management Web Application for RO Water Systems

- Developed a full-stack solution using React.js and Node.js for managing IoT-enabled devices.
- Integrated real-time monitoring using MQTT protocol and Firebase for backend management.
- Achieved a 95% reduction in manual monitoring through automation and optimization.
- Enabled data synchronization across multiple devices and platforms for seamless operation.

E-Commerce Site

- Built a complete full-stack e-commerce platform using React.js for the frontend and Firebase for backend authentication and database services.
- Integrated payment gateways, product search, and order tracking for seamless user interaction
- Optimized backend performance to handle large volumes of data and transactions.
- Implemented user session management and secure authentication for a smooth checkout experience.

Hostel Management System

- Built a web-based dashboard with React.js and Firebase to manage hostels.
- Implemented real-time synchronization for resident and payment data.
- Enhanced data accessibility for admins, improving productivity by 30%.
- Optimized system performance, reducing load times by 40%.

ADDITIONAL

CERTIFICATIONS

- Secured 5th prize in APPINNOVATHON associated with INTERACT SCISSDISC.
- **TCS iON NQT** certification with an overall percentage of 72.49%.
- **NVIDIA**: Fundamentals of Deep Learning
- **Coursera**: Data Visualization
- **Business English Certification** (Council of Europe Level A2)