

Tarun Upadhayay

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EDUCATION

POORNIMA COLLEGE OF ENGINEERING (PCE)

B.TECH. IN COMPUTER ENGINEERING

Grad. JUNE 2023 | JAIPUR, INDIA

C.G.P.A : 7.85

SHRI BHAWANI NIKETAIN PUBLIC SCHOOL

Grad. MAY 2019 | JAIPUR, INDIA

PERCENTAGE : 68

LINKS

Github:// tarunupadhayay

LinkedIn:// tarun-upadhayay

CodeChef:// tarunupadhayay

SKILLS

PROGRAMMING

Languages :-

- Advance :- JavaScript, Typescript
- Intermediate :- C, Python
- Novice :- Java

Framework and Library :-

- Reactjs • Nodejs
- Expressjs • Bitmovin
- ClamAV • JEST
- Google Map API
- Firebase

Technologies :-

- HTML • CSS • Bitmovin
- Azure Blob Storage • MySQL
- MongoDB • PostgreSQL

Others :-

- Football • Dancing

COURSEWORK

UNDERGRADUATE

Object Oriented Programming
Data Structure and Algorithms
Analysis and Design of Algorithms
Database Management System
Operating System
Networking

EXPERIENCE

IN TIME TEC - SOFTWARE ENGINEER

JULY 2023 - Present | Jaipur, India

- Designed, developed, and deployed scalable full-stack web applications, improving system reliability and user engagement by 30%.
- Collaborated with frontend, backend, and DevOps teams to deliver high-quality solutions in agile sprints.
- Built and optimized RESTful APIs using Node.js, improving response times by 25% through efficient query handling in PostgreSQL, MongoDB, and MySQL.
- Developed responsive React.js interfaces and implemented global state management using Redux Toolkit.
- Integrated cloud and third-party services including Azure Functions, Azure Blob Storage, Firebase, HiveMQ, Google Maps API, Bitmovin, and ClamAV to enable real-time processing and cloud-native deployments.

EZHEALTH TRACK - INTERN

November 2022 - April 2023 | Remote

- Spearheaded migration of the legacy frontend from Angular.js to React.js, boosting performance and reducing load times by 35%.
- Designed and implemented new features that enhanced user workflows and expanded app functionality.
- Conducted thorough UI testing to ensure cross-platform compatibility and performance stability.

PROJECTS

SCENNE - SOCIAL MEDIA MOBILE APP

USING NODE.JS | TYPEORM | CLAMAV | BITMOVIN | IOS - SWIFT

- Engineered a scalable backend using Node.js, implementing robust authentication (JWT-based) and core social media features like signup, login, posting, commenting, and feed generation.
- Integrated advanced media handling by leveraging Bitmovin for seamless video streaming, Azure Blob Storage for efficient video asset management, and ClamAV for real-time virus scanning.
- Designed and optimized database schemas in PostgreSQL and MongoDB, ensuring efficient handling of structured and unstructured data for high-performance querying

FLASHCAST - ALERT AND DEVICE MANAGEMENT APPLICATION

USING REACT.JS | REDUX TOOLKIT | NODE.JS | FIREBASE | MONGODB

link: Mimo Monitors, FlashCast

- Developed a real-time alert and device management system using React.js with Redux Toolkit and a serverless backend with Node.js and Azure Functions, ensuring scalability and efficiency.
- Integrated Firebase Authentication for secure user access, supporting social logins and email-password authentication.
- Implemented HiveMQ MQTT Broker for real-time alert broadcasting to IoT devices, ensuring fast, reliable, and secure communication.
- Implemented HiveMQ MQTT Broker for real-time alert broadcasting to IoT devices, ensuring fast communication.