Vishnu Nair

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🌐 vishnunairportfolio.vercel.app

EDUCATION

Christ University Bangalore — Bengaluru, Karnataka
Master of Computer Applications - 73% — *07/2023 – 05/2025*

Kristu Jayanti Autonomous College — Bengaluru, Karnataka
Bachelor of Computer Applications - 83% — *08/2020 – 05/2023*

EXPERIENCE

Shoffr ⎘ | Software Development Intern (MySQL, Next.js, Tailwind CSS, Java Springboot, Redux) Jan 2025 – Present
- Implemented **trip prioritization algorithms**, boosting admin efficiency by 75%.
- Built **scalable multi-traveler** and **co-passenger modules** to optimize **high-volume group booking** flows.
- Developed **CSV-based data reconciliation** pipelines, improving **financial accuracy** by 60%.
- Implemented **timezone normalization** with **Moment.tz** for consistent **cross-country date/time rendering**.
- Engineered **real-time backend–frontend sync**, reducing **latency** and ensuring consistent trip states.
- Built a full **B2B partnership platform**, increasing inbound corporate inquiries by 55%.
- Integrated **external provider APIs** (Paytm Link) using **scheduler-based verification**.
- Designed **scalable backend workflows** with efficient request routing, normalization for high-volume operations.

ICIER ⎘ | Junior Software Development Intern (MongoDB, Express.js, React.js, Node.js) May 2024 – August 2024
- Engineered **MERN applications** with clean, modular, and maintainable code structures.
- Built **responsive React.js interfaces**, designed **MongoDB/Mongoose schemas**, and developed **RESTful APIs** using Express.js and Node.js.

PROJECTS

Unishare ⎘ | MongoDB, ExpressJS, ReactJS, NodeJS, Tailwind Css, Socket.IO — 04/2024
- Developed a **web application** enabling users to borrow, lend, and share resources within a college community.
- Implemented **data encryption**, input **validation**, and secure storage practices to protect user information.
- Built a **real-time messaging system** using **WebSockets** and **Socket.IO**, ensuring low-latency communication.

CraveMate ⎘ | MongoDB, ReactJS, Tailwind Css, Springboot — 06/2024
- Developed a **responsive food-ordering web app** with full **mobile compatibility**.
- Implemented **advanced search and filter** features to improve user experience and navigation.
- Built a **real-time inventory management system** with dynamic stock updates for accurate item availability.

Intervo ⎘ | MongoDB, ExpressJS, ReactJS, NodeJS, Flask, Python — 07/2024
- Automated **interview management workflows** to eliminate manual scheduling and tracking.
- Implemented **random question generation** and **proctoring features** for secure assessments.
- Automated **credential creation** from CSV files using **Nodemailer** for username and password delivery.
- Built an **algorithm-driven scheduling system** in **Python** based on interviewer availability.

CERTIFICATES

- Java Foundation Course *(Oracle Academy)*
- AWS Academy Cloud Foundations *(AWS Academy)*

TECHNICAL SKILLS

Programming Languages: C, C++, R, Python, Java, JavaScript, TypeScript, SQL, HTML, CSS
Frameworks & Libraries: ReactJS, NodeJS, Bootstrap, Tailwind CSS, Spring Boot, NextJS, Thymeleaf
Database & Cloud: MongoDB, MySQL, AWS EC2
Developer Tools: VS Code, Git, Postman, Docker

ACHIEVEMENTS

- **1st Place, Treasure Hunt Shells 2024** organized by Kristu Jayanti Autonomous College
- **Secured 3rd place in Hackathon Event Gyanith 2024** organized by **NIT Puducherry**.
- **Secured 3rd place in Code Hunt Event Gyanith 2024** organized by **NIT Puducherry**.