

# BUVANRAJ V

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## Summary

Final-year B.Tech IT student with hands-on experience in UI design and full-stack web development. Built 3+ production-grade applications using React.js, Tailwind CSS, and TypeScript. Completed an AI/ML internship at Infosys with a focus on creating intuitive and data-driven user interfaces.

## Experience

Feb 2026 - Apr 2026

### AI/ML Developer Intern

Infosys Ltd.

- Built Transfer-IQ, an AI-powered data transfer assistant using FastAPI, XGBoost, and PyTorch LSTM
- Designed responsive React.js dashboards with Recharts for real-time data visualization
- Deployed the application on Netlify and integrated SHAP for model explainability

## Education

2024 - 2028

### R.M.K. Engineering College (RMKEC), Kavaraipettai

Graduation • B-TECH-IT • Information Technology

Percentage - 72.3% • CGPA - 7.73

2022 - 2024

### Kongu Matriculation Higher Secondary School, Morappur

11TH-12TH • Higher Secondary

Percentage - 89.67% • CGPA - 9.4

## Certification

- Generative AI Professional
- AI Foundations Associate
- AWS Solution Architect Certification
- Java Developer Certification
- Software Testing Certification

## Skills

- Asana (Software)
- React.js
- Java
- Python
- TypeScript
- Vite
- Tailwind CSS
- ShadCN UI
- Node.js
- Express.js
- MongoDB
- FastAPI
- Python (XGBoost/PyTorch)
- Recharts
- JWT Auth
- REST APIs.
- Frontend
- Backend

## Projects

### Profile Management System

📅 Dec 2025 – Jan 2026

🔗 [Project Link](#)

Tech Stack: React.js, HTML, CSS, JavaScript

- Engineered a full-stack profile management application with complete CRUD functionality, built on React.js with component-based architecture for scalable state management.
- Designed a fully responsive UI system ensuring consistent, seamless experience across mobile, tablet, and desktop viewports.
- Structured reusable React components to optimise rendering performance and maintainability across the application.

### Transfer-IQ

📅 Feb 2026 – Apr 2026

🔗 [Project Link](#)

Tech Stack: React.js, Vite, FastAPI, XGBoost, PyTorch LSTM, Scikit-learn, SHAP, Pandas, NumPy, Recharts

- Developed an AI-powered data transfer assistant platform integrating XGBoost and PyTorch LSTM models via FastAPI, enabling intelligent automation and real-time predictions.
- Designed an intuitive React.js dashboard with Recharts visualisations, translating complex ML outputs into clear, user-friendly data views.
- Deployed the full-stack application on Netlify with seamless frontend-backend integration, making it publicly accessible for live demonstration.

### HealthPluse-AI

📅 Dec 2025 – May 2026

🔗 [Project Link](#)

Tech Stack: React.js, TypeScript, Vite, Tailwind CSS, ShadCN UI, Recharts, Node.js, Express.js, MongoDB, Gemini AI, JWT Authentication, OpenWeather API, WAQI API

- Built a comprehensive health assistant web app integrating Gemini AI, OpenWeather API, and WAQI API to deliver personalised, real-time health insights and environmental recommendations.
- Architected the full UI system using Tailwind CSS and ShadCN UI, designing responsive layouts, data dashboards, and interactive components with a focus on clean user experience.
- Implemented secure JWT-based authentication and RESTful API integration with Node.js and Express.js, ensuring reliable data flow across the full stack.

## Achievements

### Hackathon

- Shortlisted for Round 2 in 50+ competitive technical assessments and hiring challenges.
- Achieved Top 10 and Top 20 rankings in various national-level hackathons and coding competitions.
- Consistently ranked within the Top 50 participants across multiple technical events and hackathons.