KARTHIK RAUT

Pune, Maharashtra

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Education

- **D.Y. Patil College of Engineering** *Aug 2022 – June 2026*
  Bachelor of Engineering in Computer Engineering **CGPA: 9.36**

Technical Skills

Programming Languages: C++, Java, JavaScript
Web Technologies: HTML, CSS, React.js, Next.js, Node.js, Express.js, Tailwind CSS
Libraries Frameworks: Redux, Sequelize
Databases: MongoDB, MySQL, Firebase
Tools Platforms: Git, GitHub, Postman, Vercel
Competitive Programming: LeetCode ⬀* 400+ (Rating 1732) (Top 13.41%)

Experience

Quick Heal — Software Development Intern **August 2025 – November 2025**
- Integrated **Redis Cache** into Node.js workflows, reducing API latency by **40%** and decreasing repetitive DB queries by **60%**.
- Developed scalable **GraphQL APIs** that cut over-fetching by **65%**, reduced API round-trips by **70%**, and improved frontend load times by **30%**.
- Automated cleanup, analytics, and messaging workflows using **Node-Cron**, reducing manual operations by **90%** and ensuring **100% daily task reliability**.

WorqHat — Full Stack Developer Intern **January 2025 – March 2025**
- Engineered the frontend of a **hackathon management platform** using **Next.js**, enabling participants to access **rankings, submissions**, and event updates.
- Converted **Figma designs** into responsive and consistent UI components for seamless cross-device experience.
- Implemented **OAuth-based authentication** with **NextAuth.js** to support secure third-party logins.

Growloc Pvt. Ltd. — Software Development Intern **October 2024 – January 2025**
- Refactored and optimized **frontend modules** using **Next.js** and **React.js**, improving performance by **25%**.
- Integrated **OAuth authentication** via **NextAuth** and crafted **modular UI components** for reusability.
- Leveraged **Mixpanel** for real-time analytics and enhanced **API communication** efficiency.
- Connected the **WATI API** to automate user messaging, resulting in a **40% increase in engagement**.

Projects

EcoJugaad | *React.js, Tailwind CSS, Node.js, Express.js, MySQL, Sequelize, MapGL API* | 🌐 ⛓ April 2024
- Developed a platform to locate **50+ e-waste centers** using **MapGL API** and **geolocation services.**
- Structured the backend using **Express.js** and **Sequelize ORM** to interact with a **MySQL** database, enabling efficient data management and CRUD operations.
- Assembled **reusable UI components** with **React.js** and styled them using **Tailwind CSS**.

Job Hunt | *React.js, Redux, Node.js, Express.js, MongoDB, JWT, Cloudinary* | ⛓ May 2025
- Constructed a full-stack **job portal** featuring user registration, **job listings**, and application tracking.
- Implemented robust **JWT-based authentication** and integrated **Cloudinary** for secure media uploads.
- Built an **admin dashboard** utilizing **modular components** and **10+ RESTful API endpoints**.

FilmFusion | *React.js, Tailwind CSS, Redux* | 🌐 ⛓ May 2024
- Designed a **responsive movie discovery interface** showcasing **5000+ titles** using the **TMDB API**.
- Utilized **Redux** to manage global state across **8+ components** efficiently.
- Incorporated **code splitting**, **lazy loading**, and mobile-first principles with **Tailwind CSS** to improve performance.

Achievements and Responsibilities

- Finalist (Top 5 India, Runner-up), **Smart India Hackathon 2024** – National product development competition. Certificate ⬀*
- Achieved **Rank 1548** in LeetCode Weekly Contest 448
- Secured **Rank 2120** in LeetCode Biweekly Contest 156, .
- **5★ in MySQL** on HackerRank ⬀* – Demonstrated strong database querying skills.
- **DSA/CP Coordinator**, GDSC DYPCOE – Mentored juniors and conducted weekly coding sessions.
- **Technical Coordinator**, ACES DYPCOE – Led technical events and workshops.