

Vinayak Maheshwari

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WORK EXPERIENCE

Resumemate.io - Remote

Software developer intern

August 2025 - October 2025

- Designed and implemented a **resume scoring algorithm** to evaluate resumes against job descriptions, improving candidate-job matching accuracy and enabling instant feedback for users.
- Built the **blog platform** from scratch, including content rendering, routing, and SEO-friendly pages to support product marketing and user education.

Kiran Foundation - Remote

Mobile developer intern

April 2025 - May 2025

- Implemented **real-time chat** functionality using React Native and Chat-Stream, enabling seamless user communication within the app.
- Ensured optimal performance across both Android and iOS platforms by optimizing state management with **Redux**.

EDUCATION

Indian Institute of Information Technology, Allahabad

Bachelor of Technology in Electronics and Communication Engineering

August 2024 - Present

PROJECTS

Keylite DB - Embedded Document Database (WIP)

September 2025 - Present

- Built a **custom high-performance KV storage engine** for an embedded document database, handling persistence and read/write paths end-to-end.
- Benchmarked at **~70K ops/sec throughput**, achieving performance comparable to battle-tested KV stores while remaining lightweight and embeddable.
- Implemented core storage primitives including **key-value encoding, persistence, and read/write paths**, forming the basis for higher-level document abstractions.

Crux

Januray 2025 - Present

- Developed a platform aggregating **previous-year engineering college cutoffs across India**, enabling data-driven admission decisions for aspirants.
- Actively maintained and scaled the system with **updated cutoff data and student reviews**, handling **peak traffic of ~300 users/day during JoSAA counselling**.
- Focused on **data reliability and long-term maintainability**, keeping the platform up-to-date with evolving admission trends.

Dorara - Personal Productivity Mobile App

November 2024 - January 2025

- Built a **personal productivity mobile app** featuring **to-do lists, notes, and journaling**, designed for simple, distraction-free daily use.
- Achieved **200+ downloads**, validating the product with real users.

Achievements

- Runner-up, Out of Context Hackathon, IIIT Allahabad (IIITA).**
- 3 * , CodeChef.**
- Pupil, Codeforces.**

SKILLS

- Languages:** Rust, TypeScript, JavaScript
- Dev Tools:** Git, Neovim, Docker, Bash scripting, tmux, Nx, Nginx, Cargo.
- Web/Product:** Nextjs, React.
- Databases:** Postgresql, Sqlite, RocksDB, **KeyliteDB**.