DIXIT KUMAR

Dwarka, Delhi

✉ dixitkumar300@gmail.com — ☎ 7060137673 — in linkedin.com/in/dixit-kumar — ⌗ github.com/Dixit1010

EXPERIENCE

KIMBAL   **Jan 2025 – Present**
Software Developer Intern

- Restructured and optimized 5,000+ lines of embedded C and middleware code, improving code readability, maintainability, and reducing execution time by 30%.
- Refactored display logic modules and decoupled UI-state dependencies, resulting in a 35% reduction in code duplication and simplified bug tracing.
- Built an internal tool for decoding optical pulses and mapping them to real-time strings via LCD, integrated into a data labeling pipeline; increased labeling throughput by 60%.
- Developed over 30 automated test cases using FTA (Field Test Automation) tools to validate data pipelines and embedded modules, improving QA efficiency by 50%.
- Automated serial communication testing using Python and Docklight scripts, eliminating manual effort and improving test turnaround by 3x.
- Collaborated cross-functionally to debug and ensure 95%+ packet delivery reliability for 4G-enabled smart meters in field deployments.
- Contributed to internal knowledge documentation and Git workflows to support onboarding and peer reviews for scalable embedded software processes.

Bharat Intern   **May 2024 – June 2024**
Full Stack Developer Intern

- Built and maintained 5 full-stack web applications using the MERN stack (MongoDB, Express.js, React, Node.js), achieving 95%+ user satisfaction.
- Collaborated with a remote team of 8 developers to design and deploy 3 scalable solutions; followed agile practices and achieved 98% code quality.

PROJECTS

JOB-ZEE | *React JS, Node JS, Express JS, MongoDB, Tailwind* **Live Demo**   **JUNE 2024**

- Designed and deployed a full-stack platform enabling **real-time job postings and applications** for 500+ users.
- Implemented **secure authentication** with JWT and bcrypt; reduced security risks with encrypted credentials and access control.
- Built dynamic dashboards for employers and seekers, supporting CRUD operations and **file upload for resumes**.
- Achieved **92% positive UI/UX feedback** using Tailwind CSS and responsive design principles.

Khaata Book | *MERN stack* **Live Demo**   **JUNE 2024**

- Built a **cloud-based expense tracker** with real-time updates and MongoDB storage.
- Integrated **graphical analytics** with 15+ charts to visualize monthly expenses, trends, and budget breakdown.
- Enabled secure user authentication, route protection, and multi-device session persistence.
- Improved usability by implementing smart input suggestions and history tracking.

Sorting Algo Visualizer | *HTML, CSS, JS* **Live Demo**   **MAY 2024**

- Developed an **interactive visualizer** for algorithms including Bubble, Merge, Quick, and Insertion sort.
- Implemented step-by-step animations and adjustable input sizes for educational clarity.
- Used DOM manipulation and CSS transitions to highlight swaps, comparisons, and recursion.
- Received 40% higher engagement in student feedback for visual learning tools.

TECHNICAL SKILLS

Languages: C, Python, Java, JavaScript, SQL, HTML/CSS
Frameworks/Tools: React.js, Node.js, Express, MongoDB, Tailwind, Git, Docker, VS Code, AWS
Embedded: Gurux, Docklight, Logic Analyzer, CS+ IDE

ACHIEVEMENTS

- Solved 850+ DSA problems on LeetCode, rated **1850+ (Knight)**.
- 3-star (1600+) on CodeChef with 300+ problems solved on GFG.
- Selected for Amazon ML Summer School (top 0.5% of 80k+ applicants), focused on applied ML and practical use cases.