Kundan Kumar Kushwaha

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EDUCATION

Indian Institute of Technology (ISM) Dhanbad   Dec 2020 – May 2024
Bachelor of Technology in Mining Engineering

SKILLS & CERTIFICATIONS

Programming Languages: C++, JavaScript, TypeScript, Python

Frontend: Next.js, React.js, State Management, Tailwind CSS

Backend: Node.js, Django REST framework, REST APIs

Databases: MongoDB, PostgreSQL, Redis, Firebase

Tools: Docker, Git, Github Actions, Linux, NGINX, Postman

Blockchain & Web3: Ethereum, Solidity, Smart Contracts, DApp Development

EXPERIENCE

GetCrux (YC W24) ↗

Full Stack Engineer (Bengaluru, On-site)   *May 2024 – Dec 2025*

- Engineered an ads creative analytics dashboard with AI-based labeling, filtering, and grouping, with a conversational chat interface to accelerate creative analysis and in-depth exploration for marketing teams and analysts.
- Delivered the front-end of an AI-powered ad generation tool with an in-built editor, enforcing brand guidelines for creatives, enabling clients to produce over **150+** creatives weekly, test new ideas, and rapidly scale ad spend.
- Shipped a reporting app for ad marketing with custom templates creation, prompt based data fetching and visualization with export options, later got licensed under **$300K** commercial deal with over **200+** users.
- Architected end-to-end data pipeline for Meta and Google ads, the core of AI marketing analytics and reporting.
- Extended Meta and Google ads SDKs with custom logging interceptors to enable API tracking and debugging.
- Designed an AI workflow creation tool using **React Flow** node-based UIs and execution engine in **Django REST Framework** that let visually chain LLMs, Databases, API calls to create and test AI workflows rapidly.

Full Stack Developer Intern (Bengaluru, Remote)   *Sep 2023 – May 2024*

- Engineered an AI agent that decomposes complex questions into sub-queries, identifies key data points from database, and aggregates results to deliver precise insights, thereby **enhancing response accuracy** and user satisfaction.
- Designed an AI chat interface enabling users to query their databases through interactive chat UI featuring data tables, graphs, summaries and query visualizations, resulting in a **30% increase in user engagement**.
- Built a graph-generation agent to visualize complex data and reveal relationships for improved analysis.
- Created a JSON-based CMS that dynamically renders custom elements, which increased blog posting frequency.
- Optimized landing page performance by compressing images and minimizing JS, achieving **40%** faster loading.

Jyotirlinga Technologies   May 2023 – Jul 2023
Full stack Engineer Intern (Remote)

- Built an Exam Web Portal for MCQs using the MERN stack, implementing authentication and timed assessments.
- Deployed the application on AWS EC2 using NGINX and PM2 for process management, configuring load balancing to support high concurrent user traffic during peak examination periods while maintaining system stability.
- Performed stress testing using the **Locust** framework to simulate concurrent user load, identifying performance bottlenecks and optimizing application to improve response times and system stability under peak traffic conditions.

ArchiTech Solution   Jun 2022 – Jul 2022

Backend Developer Intern (Remote)

- Upgraded a legacy 5 year-old Node.js production application to the latest versions, resolving dependency conflicts and deprecation issues while ensuring full backward compatibility throughout the migration process.
- Created API documentation and implemented API testing using Swagger/OpenAPI specifications for Express.js.

MyPathGuider   Oct 2021 – Dec 2021

Frontend Developer Intern (Remote)

- Implemented authentication and authorization using Firebase Auth with custom backend verification, supporting multiple sign-in methods including email/password and social providers across the application.
- Developed user profile interaction features including profile creation, editing, and social networking functionalities such as following/follower systems, user activity feeds, and profile visibility settings at scale.
- Designed Content creation UIs for asking questions and publishing articles with draft-saving and rich text editing capabilities, along with upvoting, downvoting, and bookmarking functionality for user engagement.

AWARDS & ACHIEVEMENTS

Winner – Smart India Hackathon 2022 | AICTE website UI modernization and accessibility enhancements
2nd Runner-up - Inter IIT Tech Meet 11.0 | MetaMask Snap for Account Abstraction–based wallet
Finalist - Sparkathon 2023 @Walmart | Proposed RFID & Blockchain based Supply Chain Management Solution
Gold Badge at Hackerrank in Problem Solving | Solved 230+ algorithmic challenges with optimal solutions
Gold Badge at Hackerrank in C++ | Mastered advanced C++ concepts like OOPs and STL implementations

PROJECTS

Inventory Management App ↗ | *React.js, Express, MongoDB*   Feb 2023

- Contributed to a full-stack inventory management system for **NVCTI, IIT (ISM) Dhanbad**, supporting 8+ technology labs with secure authentication, real-time tracking, and inventory controls for lab operations.
- Enabled bulk Excel import/export, transaction management, and role-based access, streamlining inventory issuance.

Extended AICTE Website ↗ | *React.js, Node.js, MongoDB*   Aug 2022

- Modernized the AICTE website UI with multilingual and accessibility features, plus location-based personalization.
- Integrated engagement systems including a chatbot, notification engine, and login validation to improve usability.

Solar Flare Detection App ↗ | *Electron.js, Flask, Python*   Mar 2022

- Developed a system to detect and classify solar X-ray bursts from light curve data using signal processing techniques.
- Identified peak detection, curve fitting, and real-time visualization, deploying the solution as web and Electron app.

College Petition Platform ↗ | *Node.js, JavaScript, Firebase*   May 2021

- Developed a college petition platform with Firebase Authentication using domain-restricted email validation.
- Implemented an end-to-end petition workflow with rich text editing, shareable links, and real-time signature tracking.