

KARTIKAY SHUKLA

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EDUCATION

• Indian Institute of Information Technology, Kota	Aug 2023 – Present
<i>B.Tech in Electronics and Communication Engineering</i>	Rajasthan, India
• Wendy Academy High School, Kanpur	Jul 2020 – May 2022
<i>Indian School Certificate (ISC), 93%</i>	Uttar Pradesh, India

PROJECTS

• DevLinkr – Smart Pair Programming and Networking Platform

Tech Stack: React (Vite), Node.js, Express, MongoDB, Socket.io, JWT, Judge0 API, Cloudinary

- Engineered a full-stack platform enabling **real-time code collaboration** and skill-based developer matching, attracting 100+ users during beta testing and fostering meaningful tech connections.
- Implemented **secure OTP-based signup** with JWT authentication and dynamic role-based dashboards (Student or Professional), ensuring a robust, seamless user experience.
- Integrated **Monaco Editor** and Judge0 API for live code execution with latency under 150ms.
- Deployed a microservice-based architecture using Vercel (frontend), Render (backend), and Cloudinary for scalable and automated deployment workflows.

• CodeLens – AI-Powered Code Review Platform

Tech Stack: React, Node.js, Express, MongoDB, AI/ML APIs, GitHub OAuth, Stripe

- Developed an **AI-driven code review platform** analyzing 12+ languages for quality, complexity, and maintainability.
- Integrated **GitHub OAuth authentication** and a **freemium Stripe-based billing system** with real-time usage analytics and transaction tracking.
- Reduced API response time by 35% through caching and efficient backend query optimization.
- Delivered REST APIs for user management, code scoring, and export features with 99.9% uptime.

• Hyrify – Full-Stack Job Search and Recruitment Platform

Tech Stack: React, Node.js, Express, MongoDB, JWT, Tailwind CSS , Clerk

- Built a responsive full-stack job portal supporting **role-based dashboards** for recruiters and job seekers.
- Designed and deployed **advanced job filters** (skills, experience, location) improving search relevance by 40%.
- Integrated JWT authentication, CRUD APIs, and data persistence ensuring secure and scalable functionality.
- Optimized load times by 25% using lazy loading and client-side caching on Vercel deployment.

TECHNICAL SKILLS

- **Programming Languages:** C++, Python, Java, JavaScript, SQL, C
- **Frameworks and Libraries:** React.js, Node.js (Express.js), Tailwind CSS
- **Databases:** MongoDB, MySQL, PostgreSQL, Supabase
- **Tools and Platforms:** Git and GitHub, Postman, VS Code, Firebase, Vercel, Render, Netlify
- **Concepts:** REST APIs, WebSockets, JWT Authentication, OAuth (GitHub/Google), Basic System Design
- **Relevant Coursework:** Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP), Database Management Systems (DBMS), Operating Systems (OS)

ACHIEVEMENTS AND LEADERSHIP

- Solved **150+ DSA problems** on LeetCode; actively improving algorithmic proficiency for SDE roles.
- **Competitive Programming:**
 - Achieved **3 star (Max Rating 1651)** on CodeChef; ranked among **Top 12 globally** in Starters 190 and secured multiple Top 100 finishes among 10,000+ participants.
 - Attained **Max Rating 1132 (Newbie)** on Codeforces; focusing on problem-solving optimization.
- **Leadership:** Senior Social Media Member, IIIT Kernel – led content outreach campaigns, managing strategy and boosting engagement by 40%.