

Ritik Kumar

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TECHNICAL SKILLS

Languages:	C++, JavaScript, Java, Python
Technologies:	React.js, Express.js, jQuery, Node.js, Tailwind CSS, Bootstrap, GitHub Actions
Tools/Platforms:	MySQL, MongoDB, PostgreSQL, GIT, Linux
Soft Skills:	Problem-Solving Skills, Team Player, Project Management, Adaptability

EXPERIENCE

Outlier	Dec 2024 – Jan 2025
Freelancer	

- Evaluated and refined over **3,000** data points using Python and JSON to improve the accuracy of the AI training model, resulting in a **15%** reduction in model errors

PROJECTS

URL Shortener	Feb 2025 - Present
<ul style="list-style-type: none">Developed a scalable URL shortening service handling 50K+ requests/day with MongoDB sharding and Redis caching for optimized performanceImplemented custom short links, QR code generation, and expiration-based URL management for enhanced usabilityOrchestrated the deployment of applications using Docker, Kubernetes, and Nginx, achieving auto-scaling capabilities and reducing server downtime by 99% while serving 1M+ requests dailyIntegrated rate limiting, input validation, and analytics tracking for security and monitoring	
Tech Stack: Next.js, TypeScript, MongoDB, Redis.	

Grocery Nest - A grocery delivery web app:	Oct 2024 – Nov 2024
<ul style="list-style-type: none">Engineered real-time data synchronization using Firebase Cloud Functions, achieving a 300ms latency for updates across 100,000 concurrent users, enhancing user experience and responsiveness.Ensured WCAG-compliant, keyboard navigation, screen reader compatibility, high contrast mode.Designed a user-friendly interface with secure authentication and a fully responsive layout.Deployed using Firebase for seamless hosting and management.	
Tech Stack: React.js, Tailwind CSS, Firebase, Firebase Authentication.	

Study Buddy:	July 2024 –Aug 2024
<ul style="list-style-type: none">Developed an On-demand mock interviews platform aid students in academic and career navigationIntegrated mock interviews, resume-building tools and career path guidanceHandling 5,000+ users, 500GB data, 500,000 ops/dayEnhanced accessibility with keyboard navigation support, screen reader compatibility, and high contrast mode	
Tech Stack: Python, Streamlit, REST API, OnDemand-RESTAPI-Agent.	

CERTIFICATES

Generative AI with Large Language Models by DeepLearning.AI and Amazon Web Services	Mar 2024–Apr 2024
Server-side JavaScript with Node.js by NIIT	Mar 2024–Apr 2024
The Bits and Bytes of Computer Networking by Google	Jan 2024–Feb 2024
Dynamic Programming, Greedy Algorithms by University of Colorado Boulder	Feb 2024–Mar 2024

ACHIEVEMENTS

Secured Global Rank 9,152th: Among 31k+ participants in Leetcode Biweekly Contest 148	Jan 2025
Winner (1st Place) - CODE CARVAN 2.0 Hackathon: Secured 1st place in the Hackathon conducted by Love Babber.	Jun 2024
Runner-up (2nd Place) - CODE Off Duty Hackathon: Achieved 2 nd place in the hackathon.	Apr 2024

EDUCATION

Lovely Professional University <i>Bachelor of Technology - Computer Science and Engineering; CGPA: 8.10</i>	Punjab, India Since Jan 2025
Gurukul Vidyapeeth <i>Intermediate; Percentage: 74%</i>	Hajipur, Bihar Apr 2020 - Mar 2022
Vishashvi Public School <i>Matriculation; Percentage: 81%</i>	Patna, Bihar Apr 2019 - Mar 2020