Kartikey Kumar

Roorkee, Uttrakhand, 247667

📞 7060758948 ✉ kartikeykumar.onglobe@gmail.com in linkedin.com/in/kartikey-kumar ⌗ GitHub 🌐 Portfolio

Technical Skills

- **Languages & Markup:** JavaScript (ES6+), TypeScript, Python, C/C++, HTML5, CSS3
- **Frontend:** React.js, Redux, Sass, Styled-Components, Responsive Design
- **Backend:** Node.js, Express.js, RESTful APIs, GraphQL
- **Databases:** MongoDB, PostgreSQL, SQL
- **DevOps & Tools:** Git, GitHub, Docker, AWS, Webpack, Babel
- **Testing:** Jest, React Testing Library
- **Methodologies:** Agile, Scrum, Test-Driven Development (TDD)

Experience

Remotasks   Nov 2022 – May 2023
AI Model Trainer (Code Understanding, Code Generation, and Code Debugging)   *Remote*

- Improved AI model performance by 30% through rigorous evaluation of 1000+ AI-generated responses.
- Engineered 200+ complex coding prompts, enhancing AI code generation accuracy by 25%.
- Elevated team performance by 20% through consistent 100% QA scores, setting new quality standards.
- Collaborated in developing innovative prompt strategies, increasing model versatility by 40%.

Yougetplaced   Sep 2022 – Dec 2022
Web Development Intern - Stack Overflow Clone 🌐*Live-Demo* | React, Node.js, Express, MongoDB   *Remote*

- Built MERN stack Stack Overflow clone with 5+ core features: authentication, question posting, and voting system.
- Developed RESTful API using Node.js and Express.js with 3+ main routes for users, questions, and answers.
- Created a responsive React.js frontend with 10+ components, mimicking Stack Overflow's UI and functionality.
- Implemented MongoDB schema with Mongoose ODM, creating 3 primary data models for efficient data management.

Projects

Pathfinding Algorithm Visualizer 🌐Live-Demo | *React, JavaScript, Data Structures & Algorithms*   May 2024

- Architected React Pathfinder, visualizing BFS/DFS traversals on procedurally generated mazes with 95% accuracy.
- Devised an interactive 20x20 grid with real-time visualization, enhancing algorithm understanding for 100+ users.
- Streamlined performance with React hooks and efficient state management, achieving smooth animations with 100ms delays.
- Formulated a recursive backtracking maze generator, generating 1000+ unique mazes, increasing puzzle variety by 100%.
- Integrated maze refresh functionality for comparing algorithm performance across different layouts, boosting analysis efficiency by 40%

SmartBrain 🌐Live-Demo | *React.js, Node.js, Express.js, PostgreSQL*   Jan 2024 – Mar 2024

- Architected a full-stack facial recognition web app using React, Node.js, and PostgreSQL, implementing 5+ key features in 3 months.
- Enhanced security with bcrypt password hashing, reducing unauthorized access risk by 99%
- Integrated Clarifai API for real-time face detection, processing 10,000+ images with 95% accuracy.
- Optimized database queries with Knex.js, cutting app response time by 40% and improving user experience.

Education

Indira Gandhi National Open University   Jul 2018 – Jun 2022
Bachelor of Computer Applications

- Key Project: Cineplex - Online movie booking system with seat selection and admin panel for efficient reservations.
- Relevant Coursework: Data Structures, Algorithms, OOP, Software Engineering, Computer Networks.

Certifications & Interests

Zero To Mastery: Advanced Web Development (Node.js, React, Full-Stack Web Development).

Interests: Fitness (jump rope, gym, yoga), Non-fiction reading, Anime.