ANKIT KUMAR JHA

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EDUCATION

• Guru Gobind Singh Indraprastha University, New Delhi, India   **CGPA:7.4**
BTech (Electrical and Electronic Engineering), 2026

WORK EXPERIENCE

- **Network Engineer Intern, D-Link   JULY-AUGUST,2024**
- Collaborated with the IT team to maintain and optimize the organization's network infrastructure, ensuring high availability and performance.
- Gained hands-on experience with network protocols, hardware configurations, and troubleshooting.
- Learned the core of networking and Linux, gaining a strong foundation in system administration and network management.
- Developed scripts and tools using JavaScript/Node.js to automate routine tasks and enhance network monitoring.

PROJECTS

1. Karm An Interactive Job and Internship | MongoDB, React, Node.js, Express {Link}
- Developed a job and internship platform using the MERN stack, ensuring scalability and performance.
- Designed and optimized MongoDB schemas for efficient data storage and retrieval.
- Built and integrated secure RESTful APIs with Node.js and Express.js for seamless frontend-backend communication.
- Implemented authentication and authorization using JWT, enhancing security and user access control.
- Deployed and managed the application on Render, ensuring high availability and optimized server performance.

2. Food Delivery App | React, JavaScript, HTML, CSS, Redux {link}
- Implemented dynamic UI components using React, enhancing user experience.
- Optimized CSS styles with Tailwind CSS for a sleek and modern design.
- Integrated interactive features with JavaScript to streamline the ordering process.
- Deployed the application on Vercel, optimizing load times and enhancing accessibility.

3. Premium Bag Shop | Backend Development | Node.js, Express.js, MongoDB {link}
- Developed and maintained the backend architecture using Node.js and Express.js, ensuring scalable and efficient performance.
- Designed and implemented database models in MongoDB, optimizing data storage and retrieval processes.
- Created RESTful APIs, managing routes and controllers for seamless frontend-backend integration.
- Integrated middleware for enhanced security, logging, and error-handling, improving application stability.
- Gained in-depth experience with backend concepts, contributing to a robust and reliable e-commerce platform.

4. Bud matching platform | JavaScript ,Node.js ,Express.js {link}
- Engineered a scalable backend architecture for BudMatching using Node.js, Express, and MongoDB, optimizing API performance and database efficiency.
- Designed and implemented robust MongoDB data models with indexed queries to enhance retrieval speeds and ensure data consistency.
- Integrated authentication mechanisms using bcrypt for password hashing and JWT tokens for stateless user sessions.
- Deployed and managed the backend on AWS EC2, leveraging NGINX as a reverse proxy and PM2 for process management, ensuring high availability and fault tolerance.

TECHNICAL SKILLS

- Languages: C/C++,Java(DSA), Python, Javascript(Proficient)
- Full Stack Development: HTML, CSS, Javascript, React.js, Bootstrap/Tailwind CSS, TypeScript, Node.js, Express.js, MongoDB
- Database: MongoDB, SQL
- DevOps: Docker, Kubernetes, AWS
- Version Control: Git, GitHub
- APIs and Tools: RESTful APIs, GraphQL, Postman
- Developer Tools: IntelliJ, VS Code, Git, Eclipse

HONORS AND AWARDS

- **Solved 150+ problems** on Codechef, Leetcode, Hackerrank, Interviewbit,Spoj.
- **Highest rating on Leetcode was 1507.**
- ***Malhaar'23:*** Collaborated with the cultural society to document and promote the fest's diverse range of activities, enhancing the event's visibility and engagement.
- ***Smart India Hackathon'24:*** Selected for SIH at the college level by outperforming five teams working on the same project.
- Secured a **2nd division** in the **5th semester** of the **EEE branch** in college.