AJAY KUMAR

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# PROFESSIONAL SUMMARY

Dynamic Full Stack Developer with experience in backend development using Java, Python, and Go with a robust background in crafting scalable and efficient web applications. Expertly skilled in leveraging technologies such as Node.js, Express.js, and React to build seamless user experiences and powerful server-side solutions. Demonstrates proficiency in API integration, optimization, and database management with a focus on designing, developing, and maintaining backend services and APIs, ensuring high-performance and secure applications. Passionate about problem-solving, I excel in designing innovative data structures and algorithms while collaborating effectively within diverse teams. Committed to delivering high-quality software solutions using AI coding tools like GitHub Copilot, ChatGPT to write, test, and refactor clean, efficient code that meet and exceed client expectations.

# EDUCATION

**Bachelor of Technology (Computer Science) /** Shoolini University / Solan ***Sep-2021 – Present***

*8.1 OGPA*

# SKILLS GitHub Copilot | Golang | Java | Backend Engineer | Backend Architecture | Python |

C++ | Data Structures and Algorithms | SQL | Backend Engineering Best Practices | JavaScript | HTML | CSS | ReactJS | Redux | Node.js | ExpressJS | MongoDB | MySQL | JWT | Object-Oriented Programming (OOP) | Responsive Design | Bootstrap | Tailwind CSS |

# PROJECTS

## NEWS WEBSITE | API-BASED PROJECT

* Designed and Developed a news website utilizing HTML, CSS, and JavaScript, integrated with the NewsAPI (newsapi.org).

## HELPLINE WEBSITE | Persistent User Authentication and Emergency Contact Notification – Using ReactJs, NodeJS, ExpressJs

* Developed a responsive helpline application using React.js, enabling users to store and notify emergency contacts via email with the click of a panic button.
* Implemented persistent user authentication using local storage, allowing verified users to bypass repeated email verification and directly access their emergency contacts on subsequent visits.
* Utilized Node.js, Express, Java, Python, and Go for backend services, including email verification with OTP and sending location updates via Nodemailer.
* [**LIVE LINK**](https://helpline-frontend.vercel.app/)

## PIXAURA | Photo Sharing Platform – MERN Stack (MongoDB, Express, React, Node.js)

* Developed a full-stack photo-sharing app using AI tools to write, test, and refactor clean, efficient code with features like profile creation, photo uploads, likes, comments, and bookmarks.
* Implemented JWT authentication for secure login/logout, contributing to backend engineering best practices.
* Integrated Cloudinary for efficient image storage and Axios for seamless API requests, showcasing proficiency in backend services and API development.
* Built a real-time messaging feature for user interactions.
* [**LIVE LINK**](https://pixaura.onrender.com/)

# LEADERSHIP, ACHIEVEMENTS AND EXTRACURRICULARS

* Team Leader, DBMS Project: Led the team in feature development and code reviews Led a team of 4 in developing and implementing a robust database management system, effectively coordinating tasks to ensure timely project delivery.
* **LeetCode 100 Days Badge**: Achieved consistent problem-solving by completing 100 consecutive days of coding challenges, demonstrating dedication and perseverance.
* **Table Tennis Achievements**: Awarded a Gold medal in the university tournament and a Silver medal at the intercollegiate championship, reflecting strong competitive spirit and dedication to teamwork.

# INTERESTS AND HOBBIES

* **Sports:** Actively play cricket and table tennis, fostering teamwork and competitive spirit.
* **Development**: Passionate about problem-solving and software development, continuously exploring new technologies and coding challenges.