



AJAY KUMAR

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Education

Delhi Technological University, Delhi

Aug 2018 – Aug 2022

BTech - Production and Industrial Engineering - 8.2

New Delhi

RPVV

May 2017 – May 2018

Higher Secondary (CBSE) - 78.8%

New Delhi

RPVV

May 2015 – May 2016

Second Secondary (CBSE) - 9

New Delhi

Experience

WiJungle - Unified Network Security Gateway

Mar 2023 - Present

Software Development Engineer I

Gurugram, Haryana

- Orchestrated collaboration across cross-functional teams to develop the **Frontend of EPS**, achieving a remarkable **98%** data leak prevention rate for organizations. Executed robust features including **USB access restriction, screen capturing prevention, printer usage control**.
- Engineered a robust authentication system using **JWT Auth tokens** for login, signup, and password recovery, boosting data security by **50%** against Advanced Persistent Threats and Web Application Firewall attacks. Optimized user authentication flow and stored tokens securely in **browser local storage**.
- Developed a responsive **Admin dashboard and Analytics using TypeScript and React**. integrated with Ant Design module to generate dynamic graphs, clicked cells for **recursive data display**, handling over **1000 API integrations**.
- Spearheaded the creation and oversight of policies for User groups, **USB DLP, and App file access, optimizing policy administration processes** and enhancing data security measures; executed CRUD operations for user permissions and configurations, integrating a diverse range of **200+ APIs**.
- Implemented advanced features integrating location tracking via **Google Maps and React Globe.gl with Three.js** for enhanced data visualization across multiple browsers, resulting in a 40% increase in user engagement and interaction.

Health Highway Private Limited

July 2022 – Feb 2023

Software Development Engineer I

Rishikesh, India

- Developed Website, App, and Admin Panel, facilitating seamless transactions between **3000+** users, **20+** yoga trainers.
- Studied and deployed the **WebRTC**-based Jitsi SDK which helped in the company to cut its server costing by **70%**.
- Strengthened the video session security by integrating Jason Web Token in Jitsi Modules, decreasing breaches by **30%**.
- Added a fully functional, secure, and **password-storing authentication** system to the app that uses **bcrypt hashing**.

Projects

Hierarchical Database System

- Engineered efficient storage, retrieval, and updating mechanisms for organizational hierarchy data using advanced data structures in C++.
- Designed complex technical diagrams, charts, and flowcharts using LaTeX and TikZ/PGF to enhance research documentation and academic presentations.
- Automated document formatting and layout using LaTeX, improving productivity by 30% in preparing consistent academic and project documents.

Expense Tracker

- Designed an application for income and expense tracking, integrating local storage with a **25% improvement**.
- Introduced the use Context hook to establish a Global Context, enhancing operational efficiency to **25%**.
- Optimized transaction history management by utilizing the **use Reducer hook**, increasing operational efficiency and improving user satisfaction by 40% with streamlined creation and deletion functionalities.

Firewall Authentication Page

- Engineered an innovative authentication system using **firebase**, **enhancing security** and **reducing login time** by **40%** for **1M+** users in the e-commerce sector.

Technical Skills

Languages, Frameworks & Softwares: C++, Python, django, FastApi, DevOps, JavaScript, TypeScript, HTML, CSS, ReactJS, SQL, MySQL, Mongoose, MongoDB, DBMS, Express, NodeJs, AWS, LaTeX, Firebase, Tailwind CSS, Bootstrap, Docker, Git, Github, Figma.

Extra Curricular Activities & Achievements

- JEE Mains (2018):** Ranked amongst the **top 0.83%** out of the 1 million candidates appearing for the JEE examination.
- Successfully Completed the 4 Studies and 3 Dojos in HTML and CSS course, provided by the Progate Japan platform.