

ARYA KUMAR YADAV

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Education

Bharati Vidyapeeth's College of Engineering, Delhi

Bachelor of Technology in Information Technology

Sep. 2022 – 2026

7.8/10

Govind Ballabh Pant Institute of Technology, Delhi

Diploma in Mechanical Engineering

Aug. 2019 – Jul 2022

7.8/10

Relevant Coursework

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|------------------------|-----------------------|---------------------|-----------------------|
| • Data Structures | • Database Management | Programming | • Operating System |
| • Software Engineering | • Object-Oriented | • Computer Networks | • Algorithms Analysis |

Projects

AI IMAGE GENERATOR / *ReactJS, NodeJS, ExpressJS, MongoDB, TailwindCSS*

[\(Live\)](#)

- Developed an AI-powered Image Generation Web App using MERN stack, integrating Codux API to generate high quality images from user-provided text prompts.
- Implemented a secure Express.js backend that handles prompt requests, API routing, and communication with the Codux image generation API.
- Built a responsive and interactive React.js frontend allowing users to input prompts, adjust image parameters, and view generated images in real-time.
- Designed a clean and modern UI using TailwindCSS to ensure a seamless and visually appealing user experience across devices.

AI INVENTORY MANAGEMENT SYSTEM / *ReactJS, NodeJS, ExpressJS, MongoDB, Python (for ML), TailwindCSS*

- Developed a full-stack MERN-based web application tailored for small businesses to manage inventory efficiently with AI-powered features.
- Integrated stock level tracking, expiry date monitoring, and real-time alerts to keep business owners informed about critical inventory thresholds.
- Connected to a Python-based ML microservice that uses historical sales data to forecast product demand and suggest optimal restocking times.
- Built JWT-based user authentication for secure access and an admin dashboard for inventory and vendor management.
- Styled the frontend using TailwindCSS for a clean, responsive user experience.

CHAT APP / *ReactJS, NodeJS, ExpressJS, MongoDB, TailwindCSS*

[\(Live\)](#)

- Developed a Real-Time Chat Application enabling seamless one-on-one and group messaging with an interactive UI.
- Integrated Socket.io to enable instant message delivery, typing indicators, and online/offline status updates.
- Implemented JWT Authentication for secure user sessions and protected chat data access.
- Designed Chat Room and User Management functionalities allowing users to create, join, and manage conversations.

Technical Skills

Programming Languages: Java, C, C++, HTML/CSS, JavaScript

Frameworks: ReactJS, NodeJS, ExpressJS

Developer Tools: Git, VS Code, Chrome Dev Tools, Postman, npm, MongoDB Compass

Libraries: TailwindCSS, Bootstrap, Mongoose, react-icons

Achievements and Profiles

- Completed Online Internship at **CodeSoft** focused on Full Stack Web Development (MERN stack), including project deployment and version control.
- Worked as a Junior Engineer Trainee at **Larsen & Toubro (L&T)**, Khurja Thermal Power Plant for 1 year.
Successfully contributed to on-site operations by supervising mechanical work, ensuring safety compliance, and assisting in planning and resource management.