Jitu Verma

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EDUCATION

National Institute of Technology Silchar — Cachar, Assam, India
Bachelor of Technology in Computer Science and Engineering, CGPA: 7.14 — *2022 – 2026 (expected)*

Maharana Pratap Senior Secondary School — Jaipur, Rajasthan, India
Class XII, Percentage: 88% — *2019 – 2020*

TECHNICAL SKILLS

Languages: Java, C++, HTML/CSS, JavaScript, Dart
Frameworks and Libraries: React, Flutter, MongoDB
Developer Tools: Git, VS Code, Android Studio, Linux
Soft Skills: Strong problem-solving abilities, effective communication, teamwork, and adaptability

PROJECTS

Live Chat and Video Collaboration | MongoDB, Express, React, Node, Socket.io, ZegoCloud — *web.chat.app*
- Developed a **chat application** with **real-time messaging** and **video meeting features** using **React** and **Socket.io**.
- Optimized **database performance** with **MongoDB** for efficient data storage and retrieval.
- Integrated **real-time video communication** using **ZegoCloud**, enabling seamless interactions for users.
- Increased user engagement by implementing **real-time notifications** with **React Hot Toast**, achieving a 90% satisfaction rating in peer reviews.
- Conducted **user testing** and feedback sessions to refine the application interface and user experience.

Assam Dress | MongoDB, Express, React, Node — *www.assamesedress.shop*
- Enhanced user privacy on an **E-Commerce website** by implementing **secure authentication measures**.
- Implemented **OTP authentication** using **Fast2SMS API** to verify user identity effectively.
- Utilized **MongoDB** and **Axios/Redux** for **CRUD operations** and login persistence, improving application reliability.
- Engaged in **testing** and **bug-fixing processes** to ensure smooth operation and user satisfaction.

Dream Kids | Machine Learning, Python — *web.dream.kids*
- Integrated **YouTube API** and **Pixel API** from **Google Cloud Platform** to create a platform for children's video and image-based learning.
- Engineered a **search functionality** that allows users to quickly find educational videos and images based on queries.
- Improved user experience by incorporating **intuitive filters** and categories for easy access to relevant content.
- Designed an engaging **navigation panel** and user interface using **React libraries** and **CSS animations**, while implementing **responsive design principles** with **CSS Grid** and **Flexbox**.

Portfolio Website | React, HTML, CSS — *jitu-portfolio.web*
- Created a **responsive portfolio website** that achieved a 95% mobile responsiveness score.
- Produced a **creative navigation panel** and single-page interface using **React libraries** and **CSS animations**.
- Showcased projects including a **cryptocurrency tracker application**, highlighting personal development and coding skills.

Yoga-Training-App | Flutter, Android Studio — *yoga-training.app*
- Introduced a **cross-platform yoga and meditation app** using **Flutter** and **Android Studio**.
- Crafted an immersive user interface for the login page utilizing **Flutter Widgets**.
- Incorporated **responsive design principles** in **Flutter**, ensuring optimal performance and usability across devices.

COURSES

Operating System, Software Engineering, Object-Oriented Programming, Computer Networks, Database Management Systems

CERTIFICATES

Google Cloud Study Jam - Gold League — *Certificate by Google Cloud*