RAM AVTAR

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OBJECTIVE

- Full Stack Web Developer with expertise in the **MERN stack** (React.js, Node.js, MongoDB, Express.js). Skilled in designing responsive web apps, real-time systems, and CI/CD pipelines. Passionate about solving real-world problems and building impactful, scalable solutions.

TECHNICAL SKILLS

- **Frontend:** React.js, Next.js, HTML5, CSS3, JavaScript (ES6+), Tailwind CSS, ShadCN, Radix UI

- **Backend:** Node.js, Express.js, MongoDB, REST APIs

- **DevOps:** Docker, Jenkins, AWS EC2, Prometheus, Grafana, CI/CD Pipelines

- **Tools:** Git, GitHub, Postman, VS Code, Zustand, Netlify, Vercel

- **Others:** JWT Authentication, Socket.io, Responsive Design, GenAI Integration

- **CS Fundamentals:** Data Structures, Algorithms, OOPS, Networking, Operating Systems

PROJECTS

- **Soil Social** | *Next.js, MongoDB, Resend, Cloudinary, Tailwind CSS*

    - Designed and developed a farmer-centric social networking platform with multilingual support for rural accessibility.
    - Integrated real-time **weather-based content recommendations** to help farmers make informed crop decisions.
    - Built core social features (posts, events, groups) and a **real-time chat system with OTP authentication**.
    - Implemented an **equipment marketplace** for peer-to-peer rental and sales.
    - Optimized backend with MongoDB and Cloudinary for scalability and performance.

- **Triloq** | *MERN, Socket.io, Zustand, Tailwind, ShadCN*

    - Engineered a real-time chat application supporting **1:1 and group messaging**.
    - Implemented secure **JWT authentication** with role-based access control.
    - Added file sharing, emoji reactions, channel creation, and profile management.
    - Responsive UI built with Tailwind CSS + ShadCN components.

- **Multimodal Deepfake Detection System (Capstone)** | *Python, React, Deep Learning*

    - Capstone project aiming to detect AI-generated deepfakes using multimodal analysis (text, video, and images).
    - Developed a simple React-based UI for testing media authenticity.

- **Other Projects** | *Full-stack Apps*

    - URL Shortener, Quiz App, Spotify Clone with Admin Panel, Notes App.
    - College Website, Barber Website, Tic Tac Toe, Text Utils, Weather App using OpenWeather API.
    - KBE (*Kuan Banega Engineer*) – gamified quiz platform for engineering students.

EDUCATION

- **Thapar Institute of Engineering & Technology**   Patiala, India
  Master of Computer Applications; CGPA: 9.58/10   *2024 – 2026*
- **University College, Ghanaur (Punjabi University)**   Punjab, India
  Bachelor of Computer Applications; 88.10%   *2021 – 2024*
- **Govt. Senior Secondary Smart School Bahadurgarh**   Punjab, India
  Class XII (Non-Medical); Aggregate: 93%   *2019 – 2021*

ACHIEVEMENTS & EXTRA-CURRICULAR

- Received the prestigious **Merit Scholarship** from Thapar Institute of Engineering & Technology.

- LeetCode Contest Rating: **1660+**, solved **350+ DSA problems**.

- Worked on the **Punjabi University Patiala Website** implementing new features in **C# .NET with MySQL**.

- Created the entire website for **University College Ghanaur (BCA)** as part of a development initiative.

- Worked on multiple **freelance projects** with senior developers, gaining real-world client experience.

- NCC Cadet (5 Years) – A, B, and C certified; trained in discipline, leadership, and teamwork.