Aryan Kumar Raj (Portfolio Website Link)

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Projects

- **Shopper –E-commerce Website**- Developed an e-commerce web application and implemented a backend management system to store user profiles, cart items, and order history. Built RESTful APIs to handle user data persistence, cart operations, and order management.
  Tech: React, APIs, Express.js, SQL.

- **Document Intelligence Platform -** Built a scalable web-based system to process 8+ document formats and deliver context-aware query responses via RESTful APIs. Integrated Google GenAI and optimized request handling and prompt workflows, reducing average response latency by ~30%.
  Tech: Python, FastAPI, Google GenAI, REST APIs, Cloud.

- **TravoAI (Link) -** AI-driven travel assistant developed using **React (Vite)** and **Node.js (Express)**, fully deployed on **AWS Cloud**. It leverages **Groq LLM (LLaMA 3.1)** for natural language intent extraction and trip planning. Features include an integrated **digital wallet system** for booking simulations, hotel/bus search via REST APIs, and a unified production build serving both frontend and backend.
  Tech: Node.js, Express.js, React (Vite), AWS (EC2), Groq LLM, JavaScript, TailwindCSS.

Experience

- **Frontend Development Intern – Octanet** (1 May 2024 – 1 July 2024)
  - Gained hands-on experience in frontend web development fundamentals during the training period.
  - Built and delivered multiple frontend-focused mini projects, improving understanding of component-based UI design, performance considerations, and debugging practices.
  - Collaborated with mentors to understand real-world development workflows and code quality standards.
- **Frontend Developer – Proscon Automation and Training Institute** (1 June 2025 – 1 August 2025)
  - Maintained and enhanced the company website, resolving UI and performance-related issues.
  - Identified and fixed critical bugs, improving overall site stability and user experience.
  - Implemented performance optimizations that reduced website loading time by approximately 40%.

Skills

- **Programming Languages:** C++, C, Python, JavaScript.
- **Backend Development:** Express.js, Backend System Design.
- **API Development:** REST APIs, API Design, JWT Authentication.
- **Databases & Clouds:** PostgreSQL, MongoDB, Amazon EC2.
- **Tools:** Microsoft Excel, Microsoft PowerPoint, Microsoft Word.

Achievements

- Secured **3rd place among 100+ teams** at HackTech 2025, organized by Thapar Institute of Engineering and Technology, for building a production-ready technical solution.
- Maintained **long-term consistency** by participating in **100+ competitive programming contests**, achieving **4★ on GeeksforGeeks** and **1500+ rating on LeetCode**.

Education

- Bachelor of Technology (B.Tech) in Computer Science & Engineering, Rajasthan Technical University, Kota
  2022 - 2026