Subham Kumar Pani

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Projects

- **Smart AI Chatbot** **Code | Live**
  E-commerce Conversational Assistant
  - Built an AI-powered full-stack chatbot (React, Vite, Tailwind, Flask) for real-time product queries.
  - Implemented REST APIs, fuzzy search with typo tolerance, and pattern-matching logic for enhanced product discovery.
  - Developed context-aware conversation flows with session persistence via localStorage.
  - Added error handling, API throttling, and Axios integration for smooth user experience.
- **Contact-Us Web App (MERN)** **Code**
  - Developed a fully functional Contact Us system using MongoDB, Express, React, Node, and Tailwind CSS.
  - Clean and responsive frontend design with real-time form validation.
  - Integrated backend APIs for storing submissions securely in MongoDB.
  - Implemented Axios-based form submission with error handling.
  - Designed an admin-style View Contacts page to manage all submissions in one place.
- **Rentomojo-inspired Web Interface** **Code | Live**
  - Designed a modern front-end for a furniture rental platform using React.js, Node.js, HTML/CSS, and JS.
  - Focused on modularity reusable UI components like navbar, banners, and product cards.
  - Ensured fully responsive design with consistent styling and clean navigation flow.
- **FinNest Google Agentic AI Hackathon** **Hackathon Prototype**
  - Proposed a solution to unify family financial data across MCP profiles, enabling collaborative financial decisions.
  - Built prototype powered by Google Gemini via Vertex AI; voice-enabled decision-making scenarios.
  - Designed system architecture, flow models, and consent-driven data linking for privacy.
  - Explored real-world applications like home loan planning and business expansion readiness.

Internships

- **CodeBeat MERN & MEAN Stack Intern** June 2023
  - Gained experience across both MERN and MEAN stacks; built responsive full-stack applications.
  - Contributed to UI design and backend API logic while learning best practices for modular coding.
- **CodeBeat MERN Stack Intern** June 2024
  - Implemented React Router, hooks, and MongoDB CRUD operations to build functional web applications.
  - Deployed small-scale apps, strengthening understanding of frontend-backend integration.

Education

- **Silicon Institute of Technology** B.Tech, Computer Engineering 2022–2026
  CGPA: **7.2**
- **Kerala Samajam Model School** Higher Secondary (12th): **80%** 2020–2022
  Secondary (10th): **90.33%** 2008–2020

Leadership & Activities

- **Silicon Theatre Club Senior Member (2022Present)**
  - Performed in multiple stage dramas and theatre showcases, honing storytelling and creative expression.
  - Gained teamwork, collaboration, and adaptability through live performance environments.
  - Also supported script discussions and direction during college-level events.
- **Entrepreneurship Fest (E-Fest) Sponsorship Team**
  - Approached and pitched sponsorship proposals to startup founders and industry leaders.
  - Helped secure event sponsorships; strengthened negotiation and communication skills.
  - Actively contributed to sponsor engagement and event execution.

Skills & Coursework

Languages / Tools: C, Java, JavaScript, Python, SQL, React.js, Node.js, Express.js, MongoDB, Flask, HTML/CSS, Tailwind CSS

Core Strengths: Full-stack development, API design, DB modelling, UI/UX, problem solving, collaboration

Coursework (selected): OOP, Data Structures & Algorithms, DBMS, OS