Ritika Kumari Nayak

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in LinkedIn Profile   ⓖ GitHub Profile   👤 Portfolio

EDUCATION

- **Veer Surendra Sai University of Technology** — *Expected: 2026*
  Bachelor of Technology in Information Technology — CGPA: 8.76
- **Adyanta Higher Secondary School** — *(Intermediate) 2018-2020*
  Council of Higher Secondary Education, Odisha — 86.5%
- **Saraswati Vidya Mandir, K S nagar** — *(Matriculation) 2008-2018*
  Board of Secondary Education, Odisha — 94.5%

EXPERIENCE

- **IBM SkillBuild** — *2025*
  Frontend Developer Intern — Remote
  - Built a secure MERN stack learning platform with JWT authentication for over 1,000 users.
  - Improved backend performance to deliver faster API response times and smoother user experience.
  - Added progress tracking, quizzes, and discussions to enhance engagement and course completion.
  - Designed a simple and scalable database structure to support future growth.

PROJECTS

- **Multi-Model AI Chat & Image Generation App**
  React Native / AI Integration — 2025
  - **Multi-Model AI Chat:** Developed real-time comparison system supporting 5 AI models (GPT-4o Mini, Claude 3 Haiku, Llama 3.1, Gemini Flash, DeepSeek R1) with intelligent fallback across 4 API providers, improving success rate by 85%.
  - **Advanced Image Generation:** Integrated multiple AI models (Flux, Stable Diffusion XL, Gemini Flash) with side-by-side comparison, smart download system, and native sharing capabilities for seamless user experience.
  - **Technical Excellence:** Built with React Native and TypeScript featuring cross-platform compatibility.

- **AI IT-Support Email Summarizer**
  GenAI Projects — 2025
  - Integrated with Google Sheets automation that processes incoming IT-Support emails through Gemini AI to summarize problems, rank priority levels, and automatically insert structured data into Google Sheets for efficient ticket management.

- **Fun2gether - Social Watch Party Platform**
  Full-Stack Development — 2024
  - React application for synchronized social viewing experiences.
  - **Frontend:** Built with React.js and Tailwind CSS for responsive UI design and seamless user interactions.
  - **Backend:** Implemented Firebase for real-time database management and user authentication services.
  - **Core Features:** Users can create private rooms, invite friends, watch synchronized content together with integrated chat and call functionality.
  - **Live:** fun2gether.vercel.app

TECHNICAL SKILLS

- **Languages:** C++, C, JavaScript
- **Frameworks:** React.js, Node.js, Express.js
- **Skills:** OOPS, DBMS, OS, Networking, DSA (Array, String, Hash Table, Searching and Sorting Algorithms)
- **Tools:** VS Code, Git, Postman
- **Databases:** MongoDB, SQL
- **Areas of Interest:** UI/UX Design, Technical Interests, Sports, Mentoring, Art Creativity, Cooking

ACHIEVEMENTS & CERTIFICATIONS

- **HackerRank**: Certifications in C++, SQL showcasing algorithmic problem-solving skills
- **SAP**: Certified Associate – Back-End Developer (ABAP Cloud)