ANKITA KUMARI SINGH

Current: Rashmi Girls Hostel, BIT Campus, Buddha Institute of Technology, GIDA, Gorakhpur
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EDUCATION

Buddha Institute of Technology
12 2023 – 06 2027
*B.Tech - Computer Science and Engineering (Data Science) - **SGPA (4th Sem): 7.5*** — *Gorakhpur, Uttar Pradesh*

H.R. College, Mairwa, Siwan
04 2020 – 04 2022
*Intermediate (12th) - Physics, Chemistry, Mathematics - **72.8%*** — *Siwan, Bihar*

TECHNICAL SKILLS

Languages: JavaScript, Python, Java, SQL, C
Frontend Technologies: React.js, Next.js 15, HTML5, CSS3, Tailwind CSS, Shadcn UI, DaisyUI
Backend Technologies: Node.js, Express.js, FastAPI, REST APIs, Socket.IO
Databases: MongoDB, MySQL, PostgreSQL
Cloud & DevOps: AWS, Vercel, Google Cloud Platform (GCP), Modal, Git, GitHub
AI & APIs: Google Gemini API, OpenAI API, Qwen2-7B, SDXL-turbo, Stream Chat API, Stream Video API, Stability AI
Data Analysis: Microsoft Excel, Python Libraries (Pandas, NumPy)
Other Tools: Polar.sh, Inngest, BetterAuth, Speech Recognition, gTTS, Eel

PROFESSIONAL EXPERIENCE

String AI India
01 2026 – 04 2026
Software Development Intern — *Bengaluru (Remote/Hybrid)*

- Selected through competitive interview process conducted by Yuvan Vision under CEO Mr. Ashvini Chaturvedi
- Working on confidential software development projects involving proprietary source code, databases, APIs, and system architecture
- Developing solutions with focus on code quality, security best practices, and intellectual property protection
- Eligible for performance-based stipend revision (6,000/month) and Pre-Placement Offer (PPO) opportunity based on contributions

PROJECTS

AmplyFi AI - AI Music Generation SaaS ⧉ | Next.js 15, Python, FastAPI, Modal, AWS
12 2025

- Built production-ready AI music generation SaaS using ACE-Step model to create original songs from text descriptions, custom lyrics, or style prompts
- Implemented LLM-powered lyric generation with Qwen2-7B, AI thumbnail generation with SDXL-turbo, and serverless GPU processing with Modal
- Developed credit-based payment system with Polar.sh integration, queue management with Inngest, and user authentication with BetterAuth
- Created community music feed with play/pause controls, music discovery features, and real-time generation status tracking
- GitHub Repository

ChatMate - Real-Time Messaging & Video Call App ⧉ | MERN Stack, Stream APIs, Socket.IO
10 2025

- Developed full-stack communication platform with real-time messaging via Stream Chat API and secure video calls using Stream Video API
- Implemented JWT authentication, friend request system, profile-based language learner matching, and screen sharing capabilities
- Built responsive UI with React, Tailwind CSS, and DaisyUI supporting audio/video controls, call recording, and real-time notifications
- GitHub Repository | Live Demo

ManoMitra - AI Mental Wellness Companion ⧉ | React, Google Gemini 2.0, Node.js
10 2025

- Built AI-powered mental wellness companion providing 24/7 emotional support for HackNova 2025 hackathon
- Integrated Google Gemini 2.0 for real-time empathetic conversations and spiritual guidance, focusing on accessible mental health support
- GitHub Repository | Live Demo

IRA - Your Smart Buddy ⬈ | Python, Google Gemini API, Eel, Speech Recognition   **09 2025**

- Created powerful multilingual voice assistant supporting 27+ languages with natural voice interaction and comprehensive system control
- Implemented AI-powered features: image generation (Pollinations AI), PowerPoint creator, code generator with VS Code integration
- Developed intelligent file management (PDF, DOCX, TXT), network management, weather utilities, and productivity tools (to-do lists, reminders)
- [GitHub Repository](#)

Buddha Institute of Technology - College Website ⬈ | HTML5, CSS3, JavaScript, PHP   **10 2024**

- Designed and developed comprehensive college website showcasing academics, placements (2.8-7.5 LPA), events, and campus facilities
- Implemented interactive chatbot, responsive design with media queries, contact forms with PHP backend, and media gallery with videos
- Highlighted 14-acre eco-friendly campus, Advanced Robotics Lab (AICRA accredited), and 3D Printing Lab with industry collaborations
- [GitHub Repository](#)

ACHIEVEMENTS & RECOGNITION

- **Runner Up** - Sparkathon Hackathon Competition (2025)
- **1st Place Winner** - techYuva 10.0 Innovative Model Presentation Competition (2025)
- **2nd Place Runner Up** - techYuva 9.0 Innovative Model Presentation Competition (2024)