RANA TALUKDAR

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CAREER SUMMARY

Building ML models since 2024 with an in-depth understanding of LLM's, GenAI and Neural Networks. Built multiple Chatbots, Computer Vision projects and multiple automation systems(AI Agents). Strong skills in Full Stack Development. Currently searching for a Full Stack Developer / ML engineer role.

Project's

MailVoyager   **Remote**
LLM x Full Stack x Automation   *July 2025 – July 2025t*
- Developed advanced automation system for sending emails.
- Integrated backend using FastAPI.
- Fully functional automation system that opens crome log's into gmail account and send's the email based on user requirement.
- No API used all parts of the automation is coaded.

ChatFom   **Remote**
Full-Stack Developer   *May 2025 - Present*
- Developed advanced chatting platform using MERN.
- Integrated VC and audio calling using API calls.
- Used JWT for authentication.
- Integrated feature for cross-country team members, improving cross-cultural communication skills

ISROnautsAI   **Remote**
ML engineer   *June 2023 - July 2024*
- Developed a cloud motion prediction model using INSTAT data.
- Fused CNN with diffusion model.
- Added encoder and decoder for enhancing model performance.
- Deployed in Hugging face with proper working backend.

Floor-Planning GenAI   **VIT Bhopal University**
ML engineer   *Sept 2024 - March 2025*
- Developed a generative AI model for floor planning.
- Used diffusion models which fused with ControlNET for image enhancement.
- Leveraged flask and Ngrok to deploy the model.
- Used augmented data due to lack of data in the internet.

Publications   **VIT Bhopal University**
A State-of-Art Survey on Generative AI Techniques for Floor Planning   *Sept 2024-May 2025*
- Workshop: GenAICHI 2025 – Generative AI and Human-Computer Interaction
- Conference: CHI 2025 – ACM Conference on Human Factors in Computing Systems Nurtured creativity and remained abreast of design trends to deliver exceptional results across industries.

EDUCATION

VIT Bhopal University   **Bhopal, India**
B.Tech in Computer Science and Engineering (AIML)   *September 2023 - Ongoing*
- 8.33 CGPA, AIML, Web Development, Team Work.

SKILLS & INTERESTS

Skills: NextJS, ReactJS, TailwindCSS, Express, MongoDB, Node.js, Git, ML, LLM, NLP, Computer Vision,RAG

Soft Skills: Improviser

Interests: Sci-Fi content, Fin-Tech