PRABHAT RANJAN PATHAK

gargprabhat93@gmail.com | +91-6206069173 | 🌐 https://github.com/Prabhatpathak77

About Me

AI Engineer with expertise in developing and deploying intelligent systems. Proficient in Python, deep learning, NLP, and computer vision, with a strong background in translating research concepts into scalable, production-ready solutions.

"If I can't solve a problem with code , I dive deeper into research - because every bug is a knowledge I haven't gained yet."

Skills

HTML · CSS · Python · C++ · JavaScript · Machine Learning (sklearn) · Deep Learning (CNN) · NLP (Transformers) · TensorFlow · PyTorch · Data Analytics · Google Colab · Git · Web Development · Cloud Computing· Node.js · React · MongoDB · SupaBase · Payment Gateway Integration · API Integration · Hosting · Web Designing · Wordpress · Web Management · SEO · SMTP servers · Website Migration ·

Plus Points

• Trained SLMs on Synthetic Dataset .

• Proficient in Synthetic Data Generation

• Converted Dataset files into Json & CSV files.

• Deployed SLMs on AWS platforms (EC2, S3, Lambda)

• Hosted websites on various platforms ie. AWS hosting, Hostinger, GoDaddy, Microsoft Azure, Infinity Free etc.

• Experienced in building real-time web/apps using WebSockets.

• Experienced in developing SaaS applications.

• Experienced in building MCP servers & connecting them into IDE.

• Proficient in working on Mac and Windows.

Projects

- **punjabi-to-english-SLM**

Developed a lightweight language model optimized for efficient and accurate translation from Punjabi to English.

- **Punjabi-character-set-recognition-SLM-**

Designed a compact language model to recognize and process Punjabi (Gurmukhi) characters with high accuracy.

- **Carlo-AI-CHATBOT**

Built an AI-powered chatbot to assist students with homework by providing quick, intelligent, and context-aware responses.

- **image-generation-saas**

Created a text-to-image AI generation platform, enabling users to transform written ideas into high-quality visuals.

- **realtime-editor**

Developed a collaborative, real-time code editor with multi-screen support, aimed at enhancing teamwork and student productivity.

- **Jharkhand-tourism**

Designed a digital solution to promote the eco-tourism and cultural heritage of Jharkhand through an interactive web platform.

- Ecommerce website:

Stellaluxurie.in

Delivered a fully functional e-commerce platform with secure payment gateway integration, AWS-based hosting, and advanced analytics for a seamless shopping experience.

Ongoing Projects

• Building IDE with integrated AI for building apps and websites .

• System Designing .

- Building own startup for Lifestyle and Consumer Innovation.

- Building an AI pipeline for deep-sea eDNA data to accelerate biodiversity assessment and reduce dependence on manual databases.

Extras

- Founder of community which has over 270+ students which is related to Programming https://chat.whatsapp.com/FJvnsTIzJxy8ilPPHflkJ7?mode=ems_wa_t .

- Applied for Captain role in AWS cloud club.

- Currently pursuing Courses of TCS FORAGE - GenAI Data Analytics.

- Infosys SpringBoard AI courses .

- Coursera Cloud Computing courses.

- Participated and got Nominated for National Round in SIH-2025.

- Student Coordinator SIH event.

- Participated in HackFest-2025.