

# Ankit Kumar

AI Developer — Python Programmer — Aspiring Entrepreneur  
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Location: India — Portfolio: <https://ankitai.onrender.com>

## Professional Summary

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Innovative AI developer and Python programmer with hands-on experience in web applications, AI assistants, and machine learning models. Skilled in NLP, Transformers, and AI-powered solutions, with a strong foundation in robotics, space tech, and computational problem solving. Adept at turning ideas into functional software and digital products.

## Skills

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- **Programming:** Python, SQL, NumPy, Pygame, Tkinter
- **AI & ML:** Transformers, NLP models, GPT4All, Feature Scaling, Machine Learning Algorithms
- **Web Development:** HTML, CSS, JavaScript, Streamlit, Render Hosting
- **Tools & Frameworks:** GPT-Neo, GPT4All, Cursor AI
- **Other Domains:** Robotics, Space Technology, Astrobiology, Quantum Computing

## Projects

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### Baby AI – Personal AI Assistant

Built a multifunctional AI assistant with mood detection, idea generation, virtual mentoring, language translation, continuous wake word detection, emotion sensing, and camera vision capabilities.

### Movie Recommendation System

Developed an ML-based recommendation system using Kaggle datasets. Applied data preprocessing, feature scaling, and model evaluation for improved accuracy.

### Games Development

- Tic-Tac-Toe: Streamlit-based game with difficulty levels, minimax AI, scoreboard, theme switching, and sound effects.
- Snake Game & Rock-Paper-Scissors AI: Designed with Pygame and Tkinter, including AI pattern learning and multiplayer features.

### Web Apps on Render

Hosted multiple AI-driven applications:

[AntispamKit](#), [IPLWinProKit](#), [LaptopriKit](#), [OlympiKit](#)

### NLP Model Development

Designed and trained a Transformers-based NLP model with overfitting mitigation strategies. Explored feature scaling and text processing techniques for robust AI outputs.

## Education

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Class 12 – Science Stream (Physics, Mathematics, Biology)

Currently exploring Quantum Computing, Machine Learning, and Space Technology fundamentals.

## Achievements & Interests

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Strong interest in AI, Space Tech, Robotics, and Astrobiology. Actively building AI projects to automate tasks and solve complex real-world problems. Ambition: Lead innovations at the intersection of AI, Biotechnology, and Space Exploration.

## References

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Available upon request.