Abhay Raj Rathi

SOFTWARE ENGINEER/3D Modeler

+91 7017790248 📞

abhayrajrathi616@gmail.com ✉

MUZAFFARNAGAR,UP 🏠

ABOUT ME

Hardworking person. Bringing forth a motivated attitude and a variety of powerful skills. Committed to utilizing my skills to further the mission of a company. I am well-mannered, organized, creative, and goal-oriented. I have a flair for exploring suitable avenues in Computer Science Engineering while developing advanced projects with efficiency and quality.

EDUCATION

Chandigarh University,Mohali
BE in ComputerScienceEngineering
2023 -2027

SKILLS

- **Programming:** Python, Java Script, C++ , React, TypeScript
- **Frameworks & Tools:** Blender, Git , GitHub
- **Soft Skills:** Leadership, Team Collaboration,
- **Design Tools**:Canva,Adobe Photoshop

CERTIFICATIONS

- Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate

- Oracle Cloud Infrastructure 2025 Certified Generative AI Professional

HOBBIES

- Exploring new Technologies
- Gym
- Formula 1

PROFESSIONAL EXPERIENCE

3D Artist & Blende Specialist

PixelForge Studios – Bengaluru, India
Jan 2025 – feb 2025
- Designed and optimized high-poly and low-poly 3D models for use in Websites and real-time rendering environments using Blender.
- Created detailed texture maps (diffuse, normal, roughness) using Substance Painter and integrated them into website engines (Unity, Metal).
- Developed 3D assets for AR/VR projects, ensuring low memory footprint without compromising visual fidelity.
- Collaborated with animators and developers to ensure seamless rigging and export workflows for character models.
- Led the asset pipeline optimization project, reducing scene file size by 45% while improving render speeds.

PROJECTS

AI Chatbot :
- Built an AI chatbot using React, TypeScript, and Vite.
- Integrated with Gemini API and ready for OpenAI API.
- Created reusable components like ChatWindow, ChatInput, Message, etc.
- Added real-time responses, smooth input handling, and error checks.
- Implemented conversation history with a clean UI.

Gym Tracker App:
- Developed a workout tracking web app using HTML, CSS, and JavaScript.
- Integrated Google Firebase for secure, real-time storage of workout data.
- Allows users to log exercises, sets, reps, weight, and monitor progress over time.

Weather App (3 Versions):
- Built three versions of a Weather App using HTML, CSS, JavaScript.
- Used OpenWeatherMap API for the first two versions with improved UI and error handling.
- Final version integrates RapidAPI for more accurate and faster weather data.
- Added features like temperature, humidity, wind speed, and dynamic icons with a fully responsive design.

Portfolio Website:
- Built a responsive portfolio using HTML, TypeScript, Vite, and Tailwind CSS.
- Showcases projects and skills with a clean, modern UI.