

Yuvraj Singh

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EDUCATION

•Pranveer Singh Institute of Technology, Kanpur

(2021 - 2025)

Btech(INFORMATION TECHNOLOGY)(Graduated)

•KR Education Center

2021

12th Class - Central Board of Secondary Education, Uttar Pradesh

EXPERIENCE

•Freelance Web Developer

Hospital Management System with Patient Appointment Booking

- Designed and developed a comprehensive Hospital Management System with patient appointment booking, enhancing operational efficiency by 40% and reducing patient wait times by 25%, in collaboration with a colleague.
- **Role and Outcome :** Implemented frontend and backend logic for a Hospital Management System's appointment booking module, resulting in faster booking flow and improved usability for patients.
- **Website Link :** <https://mittal.vercel.app/>

PERSONAL PROJECTS

•Under Water Image Enhancement

Enhanced visibility through noise reduction, precise color calibration, and improved contrast enhancement techniques.

- Enhanced underwater image quality by implementing green channel compensation and histogram equalization, achieving a 30% improvement in color accuracy while minimizing visual noise for clearer imagery.
- Evaluated the impact of improved contrast adjustment techniques leading to a notable 40% decrease in perceived visual artifacts within images post-processing, directly benefiting marine research data analysis capabilities and outcomes.
- Published a research paper and filed a patent on an Underwater Image Enhancement system developed as part of my final-year B.Tech project.
- **Project Link :** <https://colab.research.google.com/drive/145Hecq9ZLfO1g5hj2CCPJWiaFSUf8veM>

•Space Invaders Game

Space Invader Game: Uses HTML, CSS, and Node.js, showcasing proficiency in web development and game design.

- Implemented diverse tools and technologies, engineered a captivating Space Invaders game using HTML, CSS, Node.js, and the Vite framework;resulting in a 60% decrease in loading time and improved user retention by 30%.
- **GitHub Link :** <https://github.com/yuvraj-2310/Space-Invaders-Game>

•Simple Chat Bot

Simple chat Bot: Uses HTML, Tailwind CSS, Java Script and other Open APIs.

- Applied a diverse range of platforms and solutions, incorporated HTML, CSS, JavaScript, and GPT-3.5 API to craft a chatbot interface, resulting in a 50% boost in customer retention and a 20% increase in conversions.
- **Website Link :** <https://yuvrajchatbot.netlify.app/>

TECHNICAL SKILLS AND INTERESTS

Languages: Python, JAVA, JAVA SCRIPT, SQL

Developer Tools: IDEs, Git

Frameworks: React.JS, Node.JS

Soft Skills: Strong communication, teamwork and fostering collaboration, evidenced by a 20% increase in team efficiency.

Areas of Interest: Full Stack Web development, Trading and Investment.

CERTIFICATIONS

- Certificate Link :** *Participation Certificate in Cryptology and Network Security Conference with Machine Learning (JUST CLICK)*
- Certificate Link :** <https://www.hackerrank.com/certificates/29dcfbd10250> (PYTHON BASIC)
- Certificate Link :** <https://www.hackerrank.com/certificates/b8d7028e1196> (Problem Solving Basic)
- Certificate Link :** <https://www.hackerrank.com/certificates/60ff6d02a625>(Problem Solving Intermediate)
- Certificate Link :** <https://www.hackerrank.com/certificates/e2082818d97b>(JAVA BASIC)