PRANJALI SHARMA

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EDUCATION

Bachelor of Engineering: CSE   2021-2025
Thapar University, Patiala, PB
Relevant Coursework:
OOPS, DSA, Operating System, DBMS, Machine Learning, Finance Accounting/Valuation.

Lords Convent Public School (Sarkaghat, Mandi)   2020-2021
Secondary Education (HPBOSE) 98.14%

Lords Convent Public School (Sarkaghat, Mandi)   2018-2019
High School Education (HPBOSE) 98.4%

EXPERIENCE

ThaparSat (Thapar Satellite Department) June24 – July24
Image Processing Intern
Enhanced satellite data functionality and usability by developing an advanced image processing system with an intuitive GUI for a university satellite. Improved data accuracy and user interaction efficiency, enabling precise mapping of satellite images to geographical coordinates for applications in environmental monitoring, urban planning, and disaster response.

SKILLS

Programming Languages: C, C++, HTML, CSS, JavaScript, SQL.
Technologies and Frameworks: MATLAB, React, Node.js, MongoDB.
Software-Packages: MS-Office, MS-Excel, Canva, Git, Power-BI.
Soft-Skills: Communication, Teamwork, Time-Management, Creativity, Problem-Solving.

PROJECTS

Image Processing and GUI Design of Satellite:
Enhance the functionality and usability of the satellite data, developed an advanced image processing system complemented by an intuitive graphical user interface (GUI) tailored for a university satellite. This innovative system significantly improves data accuracy and user interaction efficiency. Furthermore, it facilitates the mapping of satellite images to geographical coordinates, enabling the precise identification of the locations represented in the images. This capability is crucial for various applications, including environmental monitoring, urban planning, and disaster response.
Technologies Used: Python, Airspy, Audacity, Orbitron, WxtoImg.

Hostel Management System:
Designed and developed a user-friendly interface for managing hostel activities such as room allocation, fee collection, and student records. Integrated authentication and authorization mechanisms to ensure data security and user privacy.
Technologies Used: HTML, CSS, JavaScript, React.js, MYSQL

Rotor Rush Helicopter Game:
Engineered an engaging helicopter game with emphasis on smooth gameplay, interactive features, and intuitive controls.
Technologies Used: OpenGL, Computer Graphics concepts.

CERTIFICATIONS

Cloud Foundation Course	AWS Academy
Introduction to Cyber Security and Essentials	CISCO Network Academy
Microsoft Power BI course	Simpli-Learn
Search Engine Optimization	SemRush