

# SAURABH SINGH

B-tech CSE(AI & ML)

Patna, Bihar, India

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## SUMMARY

UI/UX and web design enthusiast skilled in Figma, wireframing, prototyping, and responsive layout design. Experienced in recreating real-world website interfaces and designing interactive UI screens. Strong understanding of design thinking, user experience principles, and usability basics. Focused on creating clean, user-friendly, and visually consistent digital products.

## Soft Skills

- Wireframing and Prototyping
- Visual and UI Design
- Design Thinking
- Problem Solving
- Team Collaboration
- Leadership

## TECHNICAL SKILLS

- UI/UX Tools: Figma (Prototyping, Auto Layout, Components, User Research, Usability Testing, Design Systems), Canva
- Programming & Web: HTML, CSS, JavaScript
- AI & ML: Machine Learning Basics, Data Analysis
- Robotics & Simulation: ROS2, PID Control, Gazebo
- Core Concepts: System Design, Problem Solving, Team Collaboration

## PROJECTS

### Employee Management System

- Developed an employee management system for handling employee records and role-based information
- Implemented structured data operations for adding, updating, and viewing employee details
- Designed logical workflows aligned with real-world organizational processes
- Strengthened understanding of system design and application-level data handling

### Personal Portfolio UI Design

- Designed a personal portfolio interface using Figma
- Created structured sections for skills, projects, and contact information
- Focused on minimal design and consistent layout
- Improved skills in UI layout, spacing, and typography

### Business Website UI Design (Figma)

- Designed a professional business website interface using Figma
- Created wireframes and structured layout flow
- Applied typography, spacing, and visual hierarchy principles
- Focused on usability and clean user interface design

### Digital Agency Landing Page (Figma UI/UX Project)

- Designed a digital agency landing page using Figma
- Created wireframes and defined visual hierarchy
- Applied typography, color theory, and spacing principles
- Focused on usability and clean user interface design

### Drone Stabilization using PID Control (ROS2 & Gazebo)

- Implemented PID control logic to stabilize a drone in a simulated environment
- Used ROS2 framework and Gazebo simulator for testing and visualization
- Tuned PID parameters to minimize oscillations and improve stability
- Gained hands-on experience in robotics, control systems, and simulation

### Dynamic Price Analyzer (AI & ML – Team Lead)

- Led a team to develop an AI/ML-based dynamic price analysis system
- Designed project architecture and coordinated model development tasks
- Worked on data preprocessing and price trend analysis
- Applied machine learning concepts for data-driven decision making

### UltraEdit Website Clone (Built from Scratch)

- Recreated UltraEdit landing and download pages using HTML and CSS
- Implemented grid-based layout and responsive design principles
- Focused on accurate alignment and layout consistency
- Enhanced front-end development and CSS structuring skills

### Netflix Landing Page Clone

- Developed a Netflix-style landing page using HTML and CSS
- Implemented layout structuring and background overlay techniques
- Focused on visual hierarchy and responsive layout
- Strengthened front-end styling and UI implementation skills

## EDUCATION

### Bachelor of Technology in Computer Science (AI & ML)

Lamrin Tech Skills University, Ropar, Punjab

August 2023 – Present

### Intermediate (Science Stream)

Patna Convent, Patna, Bihar

June 2023

### Matriculation

St. Karen's Secondary School, Patna, Bihar

June 2021

## Certifications & Achievements

- E-Yantra Robotics Competition (IIT Bombay, Ministry of Education Initiative) – Gained hands-on experience in ROS2, drone simulation, and robotics problem solving
- Active participation in hackathons and team-based technical projects, demonstrating leadership and collaboration skills