

Sambhav Mangla

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[LinkedIn](#) [GitHub](#)

EDUCATION

Thapar Institute of Engineering and Technology, Patiala, Punjab
Bachelor of Engineering in Electrical and Computers
Cumulative GPA: 8.85/10

November 2022 – June 2026

O.S.D.A.V Public School, Kaithal

April 2015 - March 2022

Class 12th- 94.6% (CBSE)

Class 10th- 97.2% (CBSE)

SKILLS

Skilled Programmer (C,C++,Python)

- Solved 100+ problems on platforms like LeetCode and GFG
- Participated in several coding contests on various platforms

Machine Learning & Deep Learning

- Currently learning ML/DL fundamentals via online courses
- Worked on basic models using regression and classification techniques

Significant Experience with Web Technologies

- Frontend Web Development using HTML, CSS, JavaScript
- Made many applications clones using, Html, CSS and Javascript

Additional Skills

- **SQL:** Proficient in SQL for database management.
- **MATLAB:** Experienced in using MATLAB for technical computing and simulations.
- **C#:** Familiar with C# programming language.

COURSEWORK

Data Structures, Operating Systems, Object Oriented Programming, Computer Programming, Computer Architecture and Organization, Computer Networks, Database Management System, Machine Learning, Cloud Computing.

EXPERIENCE

NOTATMRP INNOVATION PRIVATE LIMITED - Patiala

June 2024- August 2024

Content Writer

- Created and published over 30+ high-impact content pieces, including blogs, landing pages, and marketing brochures, driving a 25% increase in website traffic within 2 months.
- Led a content strategy overhaul across 3 digital platforms (website, LinkedIn, Instagram), resulting in a 40% improvement in audience engagement rate.

PROJECTS

1. Load Frequency Controller using Modified Whale Optimization Algorithm

Role: Researcher

- Designed a controller for a two-area PV-thermal grid system using a modified Whale Optimization Algorithm
- Simulated and tested performance in MATLAB/Simulink

2. Automation of Remote-Controlled E-Vehicle

Role: Intern

- Automated an existing E-vehicle and developed a real-time monitoring dashboard
- Integrated sensors for basic autonomous navigation and obstacle detection

3. EfficientCare – COVID Base Management System

Tech Stack: HTML, CSS, JavaScript, PHP, MySQL, AJAX, Bootstrap

- Developed a real-time hospital bed management system for pandemic response
- Enabled healthcare professionals to efficiently monitor and allocate resources

CERTIFICATION

- Python 101 for Data Science – IBM SkillsBuild [Here](#)
- Data Analysis with Python – IBM SkillsBuild [Here](#)

INTERESTS AND HOBBIES

Entrepreneurship, Painting, Chess, Cricket, Reading Books