BADAL MANDAL

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📍 Himachal Pradesh
in **LinkedIn**   ⦿ **Github**

EDUCATION

B. Tech. Computer Science and Engineering | IIT, Mandi | CGPA: 6.89

📅 Aug 2022 – Present (Expected June 2026)

- **Courses:** OOPs | SQL | Data Structures and Algorithms | Mathematical Foundations of Computer Science | Linear Algebra | Information and Database Systems | Data Science (Python, Probability, Machine Learning)

12th | Government Senior Secondary School (Boys), Rewari, Haryana

📅 Apr 2020 – Mar 2022

- Haryana Board of Secondary Education | Percentage: 87%

10th | Government Model Sanskriti Senior Secondary School, Sec-55, Faridabad, Haryana

📅 Apr 2019 – Mar 2020

- Haryana Board of Secondary Education | Percentage: 89.6%

PROJECTS

Speech Recognition Model using GMM
- Developed a speech recognition model using Gaussian Mixture Models (GMM).
- Implemented feature extraction techniques to improve model accuracy.
- Conducted extensive testing and validation to ensure robust performance.

Maze Solver Robot || Team size: 5 || Feb 2023 - May 2023 || 6 hr/week
- Developed an automated maze-solving robot using Arduino Uno, ultrasound sensors, and motor drive.
- Implemented a wall-following algorithm for efficient maze navigation.
- Enhanced the design, resulting in a 15% increase in load-bearing capabilities, ensuring compliance with industry safety standards.

Responsive Portfolio || Individual Project
- Created a responsive portfolio website using HTML, CSS, and JavaScript.
- Designed a user-friendly interface that adapts to various screen sizes and devices.
- Integrated smooth scrolling and interactive elements to enhance user experience.

TECHNICAL SKILLS

- **Programming Languages:** C | C++ | Python | SQL
- **Libraries/Frameworks:** Pandas | NumPy | Matplotlib | Git
- **Operating Systems:** Linux | Windows

ACHIEVEMENTS AND POSITIONS OF RESPONSIBILITY

- **Infosys:** Earned Machine Learning expertise [Certificate]
- **NSO:** Core Team Member of National Sports Organisation of IIT Mandi (Nov 2022 - Present)