# NAVROOP SINGH

Patiala, Punjab

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https://github.com/navv213 🌐

## Education

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| **Thapar Institute of Engineering and Technology** | **Sep 2022 – Present** |
| *B.Tech in Computer Engineering* | *Patiala, India* |

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| **St. Peter's Academy** | |
| *Class 12 – CBSE* | *Patiala, India* |

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| **Kaintal School** | |
| *Class 10 – ICSE* | *Patiala, India* |

## COURSEWORK / SKILLS

- Data Structures & Algorithms
- Operating Systems
- Computer Network
- Database Management System (DBMS)
- Artificial Intelligence
- OOPS Concept
- Web Development
- Machine Learning
- Cyber Security

## PROJECTS

### Language detector

- Used Python and ML for model; built interactive text extractor from images using Optical Character Recognition (OCR) and then use a Naive Bayes classifier to predict the language of the extracted text.. .
- https://github.com/navv213/language-detection

### Smart Cloud

- BuiltA secure, full-stack web application that enables users to upload, search, and manage their personal files.
- https://github.com/navv213/Cloud-storage-with-Ai-features

### Ecommerce website

- * Built a eCommerce platform built with the MERN stack  Redux...
- * https://github.com/navv213/ecommerce

## Experience

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| **Executive Member** | – |
| *Thapar Movie Club, Saturnalia* | |

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| **Core Member- Travel Director'2024-25** | – |
| *Thapar adventure club(managed over 12+ trips for students and faculty)* | |

## Technical Skills

**Languages:** C, Kotlin C++, Java, Python, JavaScript, SQL, R, PL/SQL

**Technologies:** TensorFlow, PyTorch, NLP, Generative AI, React.js, Node.js, HTML/CSS, Node.JS, Express.JS, ExoPlayer, Media3, HLS, DASH, H.264, HEVC, AV1, JNI, FFmpeg

**Tools:** GitHub,Android Studio, VS Code, MATLAB, SAS, RStudio, PyCharm, SAS, PyCharm, BlueJ, Canva, GNS3, Dia