# Bhupesh Joshi

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 GitHub Profile

 LinkedIn Profile

## EDUCATION

- **Punjab Engineering College** *2026*
  *B.Tech in Computer Science Engineering with specialization in Data Science* CGPA: 8.44
- **HGSSVMIC Kusumkhera Haldwani**
  *Senior Secondary Education* Percentage: 94.6
- **HGSSVMIC Kusumkhera Haldwani**
  *Secondary Education* Percentage: 95.8

## PROJECTS

- **AgroGuardian** *July 2024*
  *AI-Driven Plant Disease Diagnosis*
  - Tools & technologies used: Python, NumPy,Pandas, Matplotlib, Scikit-learn,TensorFlow, CNNs,PIL
    * Developed a plant disease prediction system using CNNs, enabling automated detection and diagnosis of plant diseases from images.
    * Implemented the model using TensorFlow, achieving accurate classification of various plant diseases.
    * Enhanced the system's performance through extensive data preprocessing and augmentation techniques, improving the model's robustness and accuracy.

- **Book Recommender System** *Jan 2024*
  *Recommendation system using collaborative filtering*
  - Tools & technologies used: Python, Pandas, NumPy, Matplotlib, Seaborn,Jupyter Notebook
    * Developed a Machine Learning-based book recommendation system using collaborative filtering to enhance user engagement and satisfaction.
    * Leveraged Jupyter Notebook for comprehensive data analysis and model development, resulting in a highly accurate and user-friendly recommendation engine.

- **ClubSpotPEC** *August 2024*
  *Streamlining Club Participation and Application Handling at PEC*
  - Tools  technologies used:MERN stack (MongoDB, Express.js, React.js, Node.js),ShadCN,Redux ,axios
    * Develop a streamlined platform that empowers students to easily discover and apply for clubs while providing secretaries with a unified management system.
    * Crafted "ClubSpotPEC" using the MERN stack with ShadCN UI, Axios, and Redux, offering a sleek interface for students to engage with clubs and a powerful backend was developed.
    * Resolved student difficulties in discovering clubs and streamlined application management for club secretaries.

## TECHNICAL SKILLS AND INTERESTS

**Languages**: C++,Python,HTML,CSS,JavaScript,SQL

**Web Development**:React.js,MongoDB,Node.js ,Express.js

**Computer Fundamentals**: Data Structures &Algorithms,OOPS,Operating System,DBMS,Computer Networks

**Machine Learning**: Numpy,Pandas,Seaborn,Scikit-learn,Tensorflow,Keras,Regression,Classification and clustering Algorithms

## POSITIONS OF RESPONSIBILITY

- **Sub-Head,** Alumni and Industry Relations Committee PECFEST *Oct 2023- Nov 2023*
  -Organized career fairs, alumni talks, and industry workshops to foster collaboration and career development among students.

- **Training Class Representative,** CDGC *Jan 2024 - Present*
  -Act as a mediator between colleagues and placement office for smooth internship cycle .Member of organising committee for various events.

- **Cadet,** NCC PEC *Nov 2023- Present*
  -Mentored 50+ newly recruited students showcasing strong leadership skills .

## ACHIEVEMENTS

- **Inspire Award** by Govt. of India (DST) for meritorious student in High School *2019*
- **Award** for being in top 1 percent in Senior Secondary *2021*
- **Solved** 200+ DSA questions on various coding platforms