

# KHUSHI BANSAL



## Objective

Aspiring Artificial Intelligence and Machine Learning engineer with a strong foundation in computer science and a passion for solving complex problems. Seeking to apply my skills in programming and AI/ML algorithms in a dynamic environment to contribute meaningfully to cutting-edge projects.

## Contact

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## Education

**B. Tech in Computer Science**  
**(Specialization: AI and ML)**  
**SRM University of Science and Technology**  
**Expected Graduation: 2026**  
• Current CGPA: 9.49/10

## Skills

**Programming Languages:**  
Python, C, C++  
**Concepts:** OOPS, DSA, OS  
**Web Technologies:** JavaScript, HTML, CSS  
**Database:** MySQL  
**Cloud Platforms:**  
Google Cloud, AWS  
**Other Tools:** Jupyter Notebooks, Google Earth Engine

## Hobbies

Painting  
Badminton  
Reading

## Projects

- Flood mapping using sentinel-1 SAR data
- Developed a cloud-based solution using google earth engine to analyze flood-prone regions in assam, India.
  - Utilized SAR data to extract and visualize insights starting from 2015.
- Land use and land cover analysis for Madurantakam lake
- Employed SVM, Logistics Regression, ANN and Random Forest algorithms for satellite image classification from 1990 to 2020.
  - Processed data using google cloud, enhancing predictions of land use changes.
- Ayurvedic plant classification model using VGG16
- Built a classification model to identify plants like neem and aloe vera with high accuracy using machine learning.
  - Designed a user-friendly frontend for prediction components and report integration.

## Website, Portfolios and Profiles

**GITHUB:** <https://github.com/kbansal17>  
**Leetcode:** <https://leetcode.com/u/BhqxnWmaH/>  
**LinkedIn:** <https://www.linkedin.com/in/khushi-bansal-a8a8712b3/>

## Co-Curricular Activities

- In addition to my studies, I have taken part in several Hackathons, Quizzes and Coding Competitions during my time here as well as in my school years.
- My greatest achievement is securing a 100% scholarship and achieving a rank of 8th in the SRMJEE.