






# NIVETHITHA N

FRESHER

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-  <https://github.com/Nivethitha-N-18>
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## SUMMARY

Enthusiastic and detail-oriented Computer Science graduate with hands-on experience in web development, machine learning, and deep learning projects. Proficient in HTML, CSS, JavaScript, Python, and frameworks like TensorFlow and Scikit-learn. Strong understanding of data structures, algorithms, and software development principles. Eager to contribute to innovative solutions in a growth-driven tech environment.

## EDUCATION

THE OXFORD COLLEGE OF ENGINEERING

Bachelor of Engineering (2022-2026) - (CGPA: 8.7/10)

HOLY CROSS MATRIC HIGHER SECONDARY SCHOOL

Higher Secondary – 2022 - (Percentage: 92)

ST JOSEPH'S MATRICULATION SCHOOL

SSLC – 2020 - (Percentage: 98)

## SKILLS

- HTML and CSS
- JavaScript
- C Programming
- MYSQL
- Python

## LANGUAGES

Kannada

[Full Professional Proficiency]

English

[Full Professional Proficiency]

Tamil

[Native or Bilingual Proficiency]

Telugu

[Full Professional Proficiency]

## CERTIFICATIONS

- Fundamentals of AI and ML
- Python for data science
- Introduction to cyber security
- Innovating with Google Cloud AI
- Mastering AI Agents Bootcamp Excel for beginners

## EXPERIENCE


PRINSTON SMART ENGINEERS

Web Developer - Intern (Jul 2024-Aug 2025)


- Developed and maintained user-friendly web applications using ,HTML ,CSS and ,JavaScript while staying updated on the latest technologies to enhance functionality and user experience.

## PROJECTS


### Facial emotion recognition (FER)

-  <https://github.com/Nivethitha-N-18/Facial-Emotion-Recognition>
- Developed a facial emotion recognition system using deep learning and computer vision by training (CNNs) with /, leveraging pre-trained models like and , and employing for face detection and image preprocessing (grayscale conversion, normalization, and resizing).


### Crop recommendation system

-  <https://github.com/Nivethitha-N-18/Crop-Recommendation-System>
- Developed an ML-based crop recommendation system using , , and by processing soil and climate data (NPK, pH, temperature, humidity, rainfall) and implementing classifiers like , , and (SVM), achieving 89% accuracy through cross-validation and hyperparameter tuning.

### Bus booking portal

-  <https://github.com/Nivethitha-N-18/Bus-booking-Portal>
- Built a responsive bus booking portal using , , and with features like route selection, schedule viewing, ticket confirmation, real-time seat selection, form validation, and an interactive UI for a seamless user experience.

### Brain Tumor detection

-  <https://github.com/Nivethitha-N-18/Brain-tumor-Detection>
- Developed a brain tumor detection system using deep learning and computer vision on MRI scans by training (CNNs) with /, leveraging transfer learning and data augmentation, preprocessing images with , and benchmarking performance using (SVM), , and evaluation metrics like precision, recall, and F1-score.