

Nikhil Bansal V

Alliance Orchid Springs, Korattur, Chennai-76

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EDUCATION

Vellore Institute Of Technology, Chennai

Sep 2023 – May 2027

Bachelor of Science in Computer Science with specialization in Cyber Physical Systems

Relevant Coursework: Data Structures, Algorithms Analysis, Database Management, Operating Systems, Computer Architecture

EXPERIENCE

IEEE Robotics and Automation Society VITC Student Chapter

Feb 2024 – Present

Data Science Member

IEEE Photonics Society Student Chapter VITC

Apr 2024 – Present

Technical Team Member

CloudOps VITC

May 2024 – Nov 2024

Technical Team Member

Internship Trainee at CodSoft,

Sep 2024 – Oct 2024

Java Developer

PROJECTS

Heart Disease Prediction using Machine Learning

Feb 2025

- Developed a Logistic Regression model to predict heart disease based on patient input data.
- Preprocessed and visualized data using Pandas, Matplotlib, and Seaborn.
- Evaluated and fine-tuned the model for improved prediction accuracy.

Legal Case Classifier using Machine Learning and NLP

Feb 2025

- Built a machine learning model using BERT and RoBERTa to classify legal cases as Court or Negotiable based on importance.
- Fine-tuned the model for high accuracy and deployed it as a web application using Flask.
- Enabled real-time classification and case analysis through a user-friendly interface.

Apology and Confession Website using HTML, CSS, and JavaScript

Aug 2024

- Developed an interactive multi-page website to express an apology and confess feelings in a creative and engaging way.
- Implemented a series of apology pages with conditional navigation based on user responses using JavaScript.
- Delivered a memorable and meaningful digital confession.

TECHNICAL SKILLS

Languages: Python, Java, C, C++, HTML/CSS, SQL

Developer Tools: VS Code, Cisco Packet Tracer, LTSpice, ModelSim, Keil, MATLAB

Libraries/Frameworks: Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn, Tensorflow-Keras, GitHub

CERTIFICATIONS

- Data Science and Machine Learning — Udemy (Mar 2024)
- Machine Learning Essentials with Azure ML— Microsoft Learn Student Ambassadors (Aug 2023)
- Python, C, C++ — IIT Bombay (July 2024)
- Career Essentials in Data Analysis — Microsoft (Jun 2024)
- Computer Vision with OpenCV and Deep Learning — Udemy (Jan 2025)

ACCOMPLISHMENTS

- Qualified for the National Level in the Spell Bee Competition.
- Presented a research paper titled "NEOM:A country inside a country" at the Virtual International Conference on Sustainable Smart Cities Integrated with Clean Energy Sources (SCES 2024).
- Part of Little Ramanuja group during school, fostering a strong interest in mathematics.