Nikhil Berwal

M.Tech. | NIT Rourkela

Final Year, Industrial Design
DOB: 12 May 1999
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Education

2023-2025
M.TECH, INDUSTRIAL DESIGN
NIT Rourkela
CGPA : 8.83/10

2017-2021
B.TECH, MECHANICAL
Vellore Institute Of Technology
CGPA : 8.26/10

May 2016
INTERMEDIATE
New Sainik School, New Delhi
Percentage: 65.6%

May 2014
MATRICULATION
Adarsh Public School, New Delhi
CGPA: 9.4/10

Skills

GENERAL PROGRAMMING
Python, Java , Oops, Sql

FRONTEND
HTML, CSS, JavaScript

FRAMEWORKS
NodeJs, ExpressJs

OPERATING SYSTEM
Windows, linux

LANGUAGES
English, Hindi

Relevant Courses

Data Structures and Algorithms
Structured Query Language(SQL)
General Programming
Object Oriented Programming(OOPS)
Operating System
Neural Networks

Work Experience/Projects

JULY 2024   **Weed Detection Robotic Arm**   **Research Project**
Developing a weed detection system using Python and Convolutional Neural Networks to enhance precision agriculture. This project involves gathering and preprocessing multiple datasets, designing and training a custom CNN model with Keras, and evaluating its performance with various metrics. The goal is to deploy a real-time weed detection program, reducing herbicide use and increasing crop yields.

2021-2023   **Beumer India Pvt. Ltd. (BIL)**   **Engineer Trainee**
Collaborate with the design team to create detailed schematics and blueprints.Assisted in the design, implementation, and maintenance of SQL databases for automation parts. Managed SAP-related projects, integrating SAP modules with existing systems to streamline operations.

MAY 2020   **Code Tigers**   **Internship**
Worked as a teaching assistant at Code Tigers, focusing on data structures, algorithms, and Python programming. Created and distributed comprehensive resources and coding challenges to facilitate student understanding, provided personalized support to address questions and difficulties, and improved my own DSA and Python expertise through practice and ongoing education.

Certifications

2022-2023   **Full Stack Development**   **Coding Ninjas**
Completed a course on Full stack development and learned various technologies like backend development (NodeJs), frontend development (HTML, CSS and JavaScript), DBMS, Operating System

2021-2022   **Data Analytics**   **Upgrad**
Completed a course on data analytics focusing mainly on statistics, python and analytical tools.

Extra Curricular Activities

MAR 2020   **Tech - competition (CyQuest - cyber quest)**   **VIT**
Participated in CyQuest, a technological competition that was held in March 2020 which was organized by VIT.

MAR 2019   **Hackathon by IBM in collaboration with VIT**   **VIT**
Created a chatbot using python technology and my contribution towards this hackathon was to design and create a analytical based chatbot which can reach out people and help them getting their queries clear.