

Ishan Sharma

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EDUCATION

Vellore Institute of Technology

B.Tech in Computer Science Engineering

Bhopal, Madhya Pradesh

Aug. 2023 – Present

Relevant Coursework:

Data Structures and Algorithms, Operating Systems, Database Management Systems, Design and Analysis of Algorithms

Arihant Public School

Senior Secondary Education

Kota, Rajasthan

Aug. 2021 – April 2023

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, C++, SQL
- **Web Development:** HTML, CSS, JavaScript, React.js, Node.js
- **Databases:** MySQL, PostgreSQL
- **Developer Tools:** Git, VS Code, Visual Studio
- **Libraries:** TensorFlow, PyTorch, NumPy, Matplotlib, MONAI

EXPERIENCE

Bharat Electronics Ltd. (BEL) , Intern

May 2024 – July 2024

Under Ministry of Defence, Govt. of India

Pune, Maharashtra

- Gained hands-on experience in core defense electronics operations during **Operation Sindoor**.
- Worked with SAP (Systems Applications and Products) for logistics and inventory management.
- Assisted in maintaining digital records of defense-grade electronic equipment and learned standard protocols used by the Indian Army, Navy, and Air Force.
- Enhanced technical and operational knowledge in defense sector workflows.

PR and Outreach, Gujarati Club

Sept. 2023 – May 2024

VIT Bhopal University

- Utilized social media platforms to promote events, share updates, and engage with potential members.
- Managed the club's official email communication.

PROJECTS

Deep Learning-Based Brain Tumor Segmentation and Detection

MONAI Framework

- Implemented a deep learning model using 3D U-Net to segment and detect brain tumors from volumetric MRI scans.
- Applied preprocessing techniques (normalization, augmentation) to improve model accuracy and spatial precision.
- Focused on medical image segmentation to assist radiologists in identifying tumor regions for clinical diagnosis.

YouTube Focus Mode Chrome Extension

HTML, CSS, JavaScript

- Developed a Chrome extension that automatically pauses YouTube videos when switching tabs or windows, and resumes playback when returning.
- Designed to support focused study sessions by preventing distractions and ensuring seamless content continuation.

CERTIFICATIONS

Fundamentals of AIML

Issued Dec 2023

Bits and Bytes of Computer Networking

Issued Oct 2024

Python Essentials

Issued April 2024

NPTEL - Introduction to Machine Learning

Issued May 2025