Ishan Sharma

+91 6358823889 | sharma.ishan0909@gmail.com | linkedin.com/in/ishan-sharma | github.com/ishan-vs

SUMMARY

Aspiring software engineer and ML enthusiast with hands-on experience in defense systems, web development, and AI/ML projects. Skilled in full-stack development, data structures, and modern frameworks. Currently pursuing B.Tech in CSE at VIT Bhopal.

TECHNICAL SKILLS

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

PROJECTS

Brain Tumor Detection with Segmentation & Explainability - (*Link*) Mar 2024 – May 2024
Comparative Deep Learning using MONAI, CNN, and XAI *Python, MONAI, CNN, Captum, SHAP*

- Developed a brain tumor detection and segmentation system using **CNNs and MONAI**, achieving high classification accuracy on MRI scans.
- Integrated **explainable AI (XAI) techniques** to visualize tumor regions, ensuring model transparency for clinical use.
- Co-authored a *research paper* on brain tumor detection and segmentation using CNNs, MONAI, and XAI methods, demonstrating high accuracy and interpretable clinical insights.

YouTube Focus Mode Extension Nov 2023 – Dec 2023
Chrome Productivity Tool *HTML, CSS, JavaScript*

- Created a Chrome extension that auto-pauses YouTube when switching tabs.
- Helped users reduce distractions during focused work sessions.

EXPERIENCE

Bharat Electronics Ltd. (BEL), Intern May 2025 – July 2025
Under Ministry of Defence, Govt. of India *Pune, Maharashtra*

- Gained hands-on experience in defense electronics during **Operation Sindoor**.
- Worked with SAP for logistics and inventory management.
- Maintained digital records of defense-grade electronics following military protocols.

EDUCATION

Vellore Institute of Technology (VIT) Aug 2023 – Present
B.Tech in Computer Science Engineering *Bhopal, Madhya Pradesh*
CGPA: 8.2

- **Relevant Coursework:** DSA, OS, DBMS, Design & Analysis of Algorithms

CERTIFICATIONS

NPTEL - Introduction to Machine Learning – May 2025 (*Link*)

Bits and Bytes of Computer Networking – Oct 2024 (*Link*)

Python Essentials – April 2024 (*Link*)

Fundamentals of AIML – Dec 2023 (*Link*)