

# Om Borse

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[in Om Borse](#) | [Om-Borse26](#)



## SKILLS

- Programming Languages:** Java, Python, Shell Scripting
- Tools & Framework:** Git, CI/CD, Docker, OpenCV, TensorFlow, PyTorch, Keras, NumPy, SciPy
- Web Technologies and Frameworks:** HTML, CSS, JavaScript, Node.js, SQL, Bootstrap, Tailwind CSS
- Database Systems:** MySQL, MongoDB
- Concepts:** Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Operating Systems, Data Science, Database Management Systems (DBMS), Computer Vision

## PROJECTS

- Tomographic Image Generator using GANs | PyTorch, OpenCV** *January 2025*
  - Generated synthetic 2D/3D tomographic images to augment training datasets for industrial inspection.
  - Integrated controllable noise and density features to simulate real-world acquisition variance.
- Brain Tumor Detection & VR Visualization | VGG19, Unreal Engine, Python** *March 2025*
  - Collaborating on VR-based visualization of MRI-detected brain tumors.
  - Designed UI for rotating and zooming brain model with tumor impact mapping.
- Responsive Doctor Appointment System | HTML, CSS, JavaScript, Flask** *November 2024*
  - Designed modern card-based UI for doctor profiles and time slot booking.
  - Prioritized clear hierarchy and user flow for smooth booking experience.

## PUBLICATIONS

- Smart Vision Bot:** Presented at ICDSMLA 2023, showcasing ML-powered vision systems for real-world applications.
- 360° Traffic Monitoring System:** Demonstrated at ADCIS 2024, focusing on data-driven traffic management solutions.
- Sustain Flow:** Presented at ACCES-2024, highlighting innovative smart traffic systems for urban mobility.

## CERTIFICATIONS

- Google UX Design Professional Certificate** - Coursera / Google
- AWS Cloud Practitioner Essentials** - Coursera / Amazon Web Services

## EDUCATION

- Vishwakarma Institute of Technology** *November 2022 - June 2026*  
*B.Tech in Computer Engineering*  
Pune, Maharashtra
  - CGPA: 8.72
- Matoshri College of Engineering and Research Centre** *July 2020 - February 2022*  
*Secondary Education*  
Nashik, Maharashtra
  - Percentage: 77.0
- Nashik Cambridge School** *June 2010 - May 2020*  
*Primary Education*  
Nashik, Maharashtra
  - Percentage: 93.4

## CO-CURRICULAR ACTIVITIES

- Led a team of 5 in developing a Multilingual Transliteration Chatbot in **Smart India Hackathon (SIH) 2024**.
- Participated in coding challenges and hackathons consistently.