TEJAS M BHARADWAJ

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SUMMARY

As a final-year CSE student, I'm focused on leveraging my knowledge and skills to make significant contributions in the field of advanced technologies.

EDUCATION

BE in Computer Science & Engineering   **CGPa - 7.5***   **June 2025***
Visvesvaraya Technological University (VTU)
Jyothy Institute of Technology, India
<u>Undergrad Coursework</u>: Computer Science

12th Grade   **Percentage: 70**   **June 2021**
Deeksha PU College, India
<u>Pre-university Coursework</u>: PCMC

TECHNICAL SKILLS

Programming Languages: Python, HTML, CSS
Technologies: Visual Studio Code, Google Colab
Operating systems: Windows, Mac
Live Skills: Leadership, Teamwork, Communication, Adaptability

INTERNSHIP

Researcher Intern, Centre for Incubation, Innovation, Research, and Consultancy (CIIRC), India   **Sep–Jan 2025**

- Conducted remote sensing analysis to track seasonal variations in urbanization and water bodies using satellite imagery.
- Evaluated portability parameters and correlated findings with ground data for validation.
- Applied geospatial techniques to assess environmental changes and their potential impacts.

TestAIng, India   **Nov–Dec 2024**

- Developed a regression model on sports financial datasets, performed bias detection and mitigation using the AIF360 library, and implemented datasets through a classification pipeline in Python.

ACADEMIC PROJECTS

Placement Assistance Platform,   **June–July 2024**

- Implemented using HTML, CSS and PHP to track placement activities and workshops.
- Facilitates tracking of placement activities, workshops, and other related events.

Unauthorized Construction Detection System,   **Feb 2025**

- Developed an alert system using OpenCV, Streamlit, and remote sensing techniques to analyze changes in buffer zones.
- Implemented automated email and Telegram alerts for detected unauthorized constructions, integrating APIs for real-time notifications.

Detection of Brain Diseases Using Deep Learning Models   **Feb–Apr 2025**

- Developed a deep learning-based system to detect multiple brain diseases using 4-5 pre-trained models for comparative analysis. Used Python for model training and analysis

of MRI/CT images.
- Implemented a web interface with HTML and CSS and integrated a chatbot for user interaction.

CERTIFICATION

- Basics of Python, Infosys SpringBoard, India
- Web Development with React.JS, Devtown, India
- Crash Course on Python, Coursera, India
- CSS Bootcamp, CodeKaro, India

WORKSHOPS

PYTHON PROGRAMMING   July 2022
Successfully completed a 3-day workshop on Python Programming organized
by Jyothy Institute of Technology's Skill Lab in association with Tequed Labs
where they were introduced to live projects & coding standards in Python development.

POWER BI   Nov 2024
The workshop on Power BI covered the basics of using the tool for data analysis and visualization.
As part of the workshop, a project was created focusing on analyzing the Flipkart Sales Analytics Dashboard
involving data visualizations and insights from sales data.

PUBLICATIONS

Land Use Classification using Ensemble Hybrid Model: A Study on the UC Merced Dataset (Accepted in IEEE)
Worked on deep learning-based remote sensing image classification using a hybrid model called FusionNet-RS. Combined MobileNet and DenseNet121 through feature fusion to improve both accuracy and efficiency on the PatternNet dataset. Achieved a mean classification accuracy of 95.98% using five-fold cross-validation.

A Smart, Patient-Centric Healthcare Portal for Brain Disorder Prediction Using MRI/CT Scans and Deep Learning Models (Accepted in IEEE)
Developed a smart healthcare portal using deep learning to detect brain disorders such as Alzheimer's, stroke, and tumors from MRI/CT scans. The system integrates MobileNetV2 for real-time diagnosis and InceptionV3 for high-precision detection. It features a Flask-based web interface enabling patient registration, scan upload, and result visualization.

OTHER ACTIVITIES

- Participated in a national-level hackathon organized by NSS in Mysore.
- Participated in an intercollegiate-level gameathon.
- Actively participated in diverse cultural events, showcasing creativity and teamwork.
- I have represented my college as a cricket player in university-level tournaments, showcasing leadership, teamwork, and sportsmanship
- Volunteered for college-level events such as hackathons, gameathons, & other events.