Abishek D

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Objective

An **Innoventix** mind fueled by curiosity, creativity, and a passion for crafting impactful digital solutions. I bring hands-on experience in full-stack development, intelligent systems, and cloud-native technologies. With a sharp learning curve and a collaborative mindset, I thrive where innovation meets execution. Currently expanding my skills in system design, machine learning models, operating systems, and real-time applications. Eager to contribute as a Software Intern and grow with a forward-thinking, agile team.

Education

Vellore Institute of Technology
- Master of Computer Application
- GPA: 7.62

Vellore Institute of Technology
- Bachelor of Computer Science
- GPA: 8.58

Projects

Campus Garden Monitoring System (Ongoing)
- Developed a smart waste detection system using YOLO11 to identify upright bins, tilted bins, and trash in campus gardens.
- Built an Android app to upload media to a Flask server via VS Code tunneling; automated storage in MongoDB.
- Tools Used: YOLO11, Android (Java), Flask, VS Code, Python, MongoDB, Node.js, HTML/CSS

Brain Tumor Classification with Bias Mitigation
- Built a YOLOv8-based MRI classifier for Glioma, Meningioma, Pituitary tumors, and No-Tumor cases.
- Applied chi-square tests to reduce group-wise error disparity by 15% and reached 89% accuracy.
- Tools Used: Python, PyTorch, YOLOv8, Roboflow, NumPy, Matplotlib, Jupyter

Skills

Project Management, Teamwork, Effective Communication, Critical Thinking, Logical Thinking

Technical Skills

Languages: Python, C, C++, Java, SQL, JavaScript
Technologies: Git, GitHub, Figma, Docker, RESTful APIs, NPM, Winget
Libraries: React, jQuery
Frameworks: Node.js, Express, Tailwind CSS, Firebase Auth, AngularJS

Achievements

Badminton Player – Represented at the state level during school, showcasing discipline, teamwork, and competitive spirit.

SWITCHuation Hackathon – Won an intercollegiate hackathon for developing a tech solution under time constraints.

Workshop Lead – Organized a 3-day Ethical Hacking workshop for 100+ peers, coordinating with faculty and guest speakers.

Certificates

AWS Cloud Technical Essentials – Gained foundational knowledge in AWS services, architecture, and cloud best practices.

UI/UX Design Workshop – Learned practical UI/UX design principles and gained experience with modern design tools.