Devraj Bavan

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LinkedIn **GitHub**

EDUCATION

B.Tech	IES Institute of Technology and Management (**CSE**),**8.29 CGPA**	**2019-23**
Higher Secondary	St. Today Co. Ed. High School (**PCM**), **63%**	**2018-19**
High School	St. Today Co. Ed. High School, **55.8%**	**2016-17**

INTERNSHIP EXPERIENCE

AI/ML Intern (**ACTS CDAC,** Hyderabad) **March 2023 – April 2024**
- Collaborated on real-time AI/ML projects, reducing prediction error by 25% through data-driven solutions.
- Optimized CNN and RNN models for time-series and image data, boosting accuracy by 25% through feature engineering and hyperparameter tuning.

PROJECTS

Project Title: Wasserstoff RAG WordPress Plugin
- **Description:** Developed a retrieval-augmented generation (RAG) WordPress plugin for data-driven dynamic content creation, leveraging TensorFlow and PyTorch for natural language processing tasks.
- **Technologies Used:** Python, TensorFlow, PyTorch, Flask, Django, HTML, CSS, JavaScript.
- **Key Contributions:** Designed plugin architecture, implemented machine learning models, created RESTful APIs, and ensured high performance through extensive testing and optimization.

Project Title: Face Mask Detection
- **For**: Major Project – I (IES Institute)
- **Technologies Used**: Machine Learning with Python, OpenCV.
- **Description**: Implemented a machine learning system to detect whether individuals in a camera feed are wearing masks, issuing an alert sound if a mask is not detected**.**

Project Title: Wolf and Dog Image Classifier
- **Description:** Collected, preprocessed, and analyzed audio data using Python and Librosa, employing feature extraction techniques to train deep learning models**.**
- **Technologies Used**: Deep Learning with Python, TensorFlow, Librosa.
- **Key Contributions:** Compiled 15,000 images of dogs and wolves after extensive search. Built a deep learning binary classifier to discern between dog and wolf images, tackling the complexity arising from their shared family traits.

Project Title: Emotional Tunes
- **For**: Major Project – II (IES Institute)
- **Technologies Used**: Machine Learning with Python, OpenCV
- **Description**: Built a facial expression recognition system using Python, OpenCV, and machine learning algorithms, achieving 85% accuracy in predicting emotions.

CERTIFICATE
- Work based learning internship Level – 1 Certificate – Final presentation Score: 89%
- Python Certification from IIT Bombay – Certificate Examination Score: 78%
- Neural Networks and Deep Learning from Coursera – Practical Assignment Score: 100%,
- Prompt Engineering for ChatGPT from Coursera – Assignment Score: 100%
- Employability Skills under Connect with Work program organized by Rubicon.

SKILLS

- Python, TensorFlow, OpenCV, Flask, Django, Matplotlib, Pandas
- JavaScript, HTML, CSS, SQL
- MS Office, Ubuntu, MS PowerPoint, MS Word
- Problem Solving and Critical Thinking
- Adaptability and Quick Learning
- Excellent Communication Skills, Logical and Analytical Thinking

EXTRA CURRICULAR ACTIVITY

- Bronze medalist, State Level Boxing Championship
- Most Disciplined Student of the entire B.Tech Batch of 2019-23 at IES campus.
- Led a team of four to organize and execute a Project Exhibition at Inforiya 2k22 in IES Campus.
- Volunteered and managed a participating team in the Smart India Hackathon 2k22.