Achyuth Sreenath Haresamudram

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Objective

Passionate AI&ML engineer with strong background in Machine Learning, Data Processing and Data analytics. Highly motivated in AI field with interests in Deep learning, Generative AI and Agentic AI. Skilled in Python, various ML libraries and MlOps. Excellent Problem-solving skills, research, and collaboration abilities. Seeking a challenging role to learn and experience cutting edge AI applications.

Summary

Currently pursuing B.Tech in Computer Science Engineering with a specialization in AI & ML. Experienced in public speaking, having served as the Master of Ceremony for 5+ international conferences, demonstrating excellent communication and presentation skills. Proficient in English, with the ability to engage and connect with diverse audiences. Beyond academics, have gained experience in graphic designing and modelling, showcasing versatility in both technical and creative fields. Made and Deployed various Machine learning projects over a span of 3 months. Highly passionate about data and related fields.

Education

Vellore Institute of Technology   Bhopal, India
B.Tech in Computer Science Engineering (Specialization in AIML) – CGPA: 9.45 – upto 5 Semesters   May 2023 – May 2027

AECS Magnolia Maaruti Public School   Bengaluru, India
Higher Secondary School (CBSE Class 12) – Result: 90%   March 2023

AECS Magnolia Maaruti Public School   Bengaluru, India
Senior Secondary School (CBSE Class 10) – Result: 95.4%   March 2021

Skills Summary

- **Languages:** Python, C++, Java, SQL, JavaScript, HTML, CSS (Frontend development)
- **Library/Framework**: Numpy, Pandas, Scikit-Learn, Matplotlib, Seaborn, Pytorch, TensorFlow
- **Technical Skills:** Machine Learning, Deep learning, Generative AI, Agentic AI (in progress)
- **Tools**: Excel, PowerPoint, Word (Proficient in MSOffice tools), MySQL, Canva
- **Soft Skills:** Proficient in Spoken English, Rapport Building, Audience Engagement, Creative Thinking
- **Interests:** Computer Networks, Mathematics research, Public Speaking, Graphic Designing, Natural Language Processing
- **Academic Clubs:** AWS Cloud Clubs, IEEE Student Branch

Work Experience

Social Media Marketing Intern @ HPNGO   April 2024 – May 2024
- Created engaging social media posts across platforms to promote new social causes, driving a good number of website traffic.
- Collaborated with the marketing team to develop integrated social media campaigns aligned with brand messaging.
- Assisted in managing and executing creative social media strategies across multiple platforms.
- **Result**: Crafted captivating content, from informative videos to eye-catching graphics and helped in marketing.

Projects

Music Recommendation using Emotion Detection   December 2024
- Built a system that detects real-time facial expressions and suggests music based on emotional states, enhancing user experience and mental well-being. Utilized **Support Vector Machines (SVM) and Linear Discriminant Analysis (LDA)** to classify facial expressions and map them to appropriate music recommendations**.
- **Accuracy (**in emotion detection): **87%**
- User satisfaction rate: **92%**

Deep-Fake Detection using Deep Learning   April 2025
- Developed a deepfake detection system using **ResNeXt CNN** for feature extraction and **LSTM** for sequence processing, ensuring accurate identification of AI-generated fake videos.
- Implemented a **Django web application** to streamline video analysis, leveraging Python face recognition and C++ visual libraries for precise face detection.
- **Accuracy**: **90.45%**

Certificates

Networking Basics (CISCO) | LINK   December 2024
- Proficient in network types, components, Ethernet communication, IP addressing (IPv4 & IPv6), router functions, and networking standards and experienced in testing and troubleshooting network issues, as well as configuring wireless routers and clients for secure connectivity.

Fundamentals of AI & ML (VITyarthi) | LINK   April 2024
- Skilled in understanding machine learning models, data processing, and AI-driven problem-solving.

Python Programming (VITyarthi) | LINK   December 2023
- Completed a certification in Python Essentials, covering fundamental programming concepts, and problem-solving skills.