Dhyan Kumar M

Logistic Coder and ML Enthusiast

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Summary

Innovative and detail-oriented Computer Science enthusiast with hands-on experience in systems programming, Python development, and interactive application design. AIML enthusiast skilled in C, C++, Java, Python, and modern ML frameworks, with a passion for building efficient, user-focused software solutions.

Education

Bunts Sangha RNS Vidyaniketan, Bangalore — Jul 2008 – Mar 2021
ICSE Board — 10th Standard, 89.5%

Base PU College, Bangalore — Jul 2021 – Mar 2023
Karnataka State Board — 2nd PUC, 87.5%

Global Academy of Technology, Bangalore — Sep 2023 – Jul 2027
B.E. in Computer Science and Engineering — GPA: 9/10

Technical Skills

Languages: C, Java, Python, JavaScript
Frontend: HTML5, CSS3, React.js, Angular, Bootstrap
Tools & Frameworks: Git, Linux, VS Code, Roboflow, Hugging Face, YOLOv8, Grounding Dino, Florence 2, Google Colab, Jupyter Notebook, Flask, Flutter, Vercel.

Projects

Custom Shell Development — Advanced Linux shell terminal with integrated voice commands

- Designed and implemented a custom Linux shell with command aliases, interactive prompts, and workflow-optimizing shortcuts.
- Integrated a voice-command system using speech recognition and web speech api to enable hands-free file creation and navigation.
- Designed it to hear and execute commands without any keyboard or command line interaction
- Placed a Machine learning Model which converts all human language voice inputs to commands based on the pre-trained model making it fully user friendly.

Child Security Management System — Python-based monitoring tool

- Built an application for real-time child monitoring, tracking activity patterns and triggering emergency alerts for safety.
- Designed an interactive dashboard in Jupyter Notebook for visual analytics using Python libraries.

Work Experience

Machine Learning Intern — Avinya Build AI, Cupertino — Jul 2025

- Trained and optimized ML models for object recognition in architectural floor plan datasets, achieving 85% accuracy.
- Collaborated on dataset preprocessing, performance evaluation, and results validation while adhering to NDA protocols.

Sports Coordinator — Global Academy of Technology — Jan 2024

- Led the planning, coordination, and execution of state-level sports events involving multiple institutions.

Certifications

Python Programming — Infosys Springboard (2025)
JAVA-Mastering the fundamentals — Scaler (2025)
Operating Systems Basic — CISCO Network Academy (2024)
Author Certificate — IJISRT (2025)
Abstract & Participation — IBM-Z Datathon (2024)

Achievements

- Published a research paper on AI Voice-Based Assistant in IJISRT, 2025.