

# VARSHINI H A

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## PROFESSIONAL SUMMARY

Creative and hands-on AI graduate with a passion for building agentic, automation-powered tools at the intersection of marketing, growth, and technology. Experienced in developing AI-powered platforms, chatbots, and dashboards using Python, Flask, TensorFlow, and LLM integrations. Comfortable working with GenAI tools, web technologies, and storytelling with a drive to turn experimental ideas into high-impact projects. Looking to contribute in a fast-paced, startup-style team where hacking, tinkering, and building are core.

## SKILLS

- **Programming:** Python, C, JavaScript
- **Web:** HTML, CSS, JavaScript
- **ML & AI:** TensorFlow, Scikit-learn, Pandas, NumPy, Dlib, Open cv
- **Tools:** Power BI, Jupyter, Git, VS Code, Streamlit
- **Database:** SQL, MySQL, Excel
- **Soft skills:** Analytical thinking, Problem solving, Creative and innovative, Self motivated

## EDUCATION

- **B.E. in Artificial Intelligence and Data Science** - Mysore University School of Engineering  
CGPA: 9.56 (VII Sem)
- **Class XII** - MMK & SDM Girls PU College, Mysuru (PCMB) - 70% (2021)
- **Class X** - St Mary's Girls High School -78.12% (2019)

## ACADEMIC PROJECTS

- 1. Driver Drowsiness Detection System**
  - Built a CNN-based real-time facial analysis model with 90% accuracy using OpenCV and Dlib for eye detection and head pose estimation.
- 2. Company Website (Hexmoto Controls)**
  - Developed a responsive company website using HTML, CSS, and JavaScript.
  - Focused on improving UX through iterative design and frontend performance optimization.
- 3. Data-Driven Customer Segmentation & Insights Platform**
  - Designed a customer segmentation system using RFM and KMeans clustering.
  - Built a Streamlit dashboard for visualizing segments and generating actionable business insights.
- 4. AI-Powered Farming Platform**
  - Built an AI-powered web platform for crop and fertilizer recommendation and plant disease detection via image upload.
  - Used Flask, TensorFlow, and Scikit-learn; integrated a chatbot using LlamaIndex and a frontend with HTML/CSS/JavaScript.

## EXPERIENCE

Web Developer Intern - Hexmoto Controls, Mysuru (October 2023)

- Built and optimized the company's website frontend.
- Collaborated with the backend team and followed Agile practices.

## EXTRACURRICULAR ACTIVITIES & CERTIFICATIONS

- Presented Barcode Tracking System case study - IDT program
- Infothon Hackathon (VVCE) - Developed a web app for connecting local businesses and customers
- AICTE Social Initiatives - Health, education, cleanliness, and tourism awareness
- Artificial Intelligence - Accenture (FutureLearn)
- Advance Diploma in IT - Edukare ITES, Mysuru

