

MADHAN

Aspiring Software Developer | B.Tech AI & Data Science | 2027 Graduate

emadhan30@gmail.com | +91-9042484517

[linkedin](#) | [Github](#) | Chennai, Tamil Nadu, India

PROFESSIONAL SUMMARY

Aspiring software developer and B.Tech student in Artificial Intelligence and Data Science, graduating in 2027 from Panimalar Engineering College. Skilled in Python, Java, C++, and web technologies with a strong academic foundation and hands-on coding experience. Demonstrates strong analytical thinking, effective communication, and adaptability. Eager to contribute to real-world software development projects and grow within a dynamic, tech-driven environment. Passionate about building real-life applications using emerging technologies. Anxious to apply technical knowledge and contribute to innovative technology solutions in a professional environment.

Project Experience

❖ V.I.O.L.E.T – AI Personal Assistant (Under Development)

Designing and developing an intelligent personal assistant integrating speech recognition, natural language processing, and a 3D animated interface. Focused on implementing real-time voice interaction, emotional AI response, wake word detection, and user personalization features with real-time data handling. Uses Python and frontend technologies to design an interactive AI interface. Applying functional and application design principles for scalable development.

EDUCATION

- B.Tech in Artificial Intelligence and Data Science
Panimalar Engineering College, Chennai, Tamil Nadu
2023 – 2027
- Higher secondary
N.S.M.H.S.S, Pammal, Chennai, Tamil Nadu

CERTIFICATIONS

- "Python for Data Science" – NPTEL & IIT Madras, Ministry of Education, Government of India
- Data Science for Beginners – FutureSkills Prime (Gold Certification), aligned with NASSCOM standards

ACHIEVEMENTS

- Participated in 24-Hour Hackathon in Panimalar Engineering College
- Presented a Paper with Paper ID 822: "Transforming Energy Sustainability in Small Island Nations..." at ICONIC 2K25, 8th International Conference, PECTEAM, Panimalar Engineering College

TECHNICAL SKILLS

- Languages: Python, Java, C, C++, HTML, CSS
- Tools: Pandas, NumPy, scikit-learn, TensorFlow
- Concepts: Object-Oriented Programming, Data Structures, Algorithms
- Others: Data visualization, Machine Learning, Deep Learning, Basic Application Design

TOOLS

- Jupyter Notebook
- VS Code
- MySQL

SOFT SKILLS

- Problem-solving, Analytical Thinking
- Team Collaboration, Communication
- Time Management
- Adaptability
- Innovation
- Responsible Work Ethic

LANGUAGES

English (Above Average), Tamil (Native)

ADDITIONAL HIGHLIGHTS

- Eager to work on software solutions aligned with business requirements and user needs
- Quick learner of new technologies and tools used in real-life application development
- Actively building a professional network through LinkedIn and GitHub contributions