

ABIRAMI B

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EDUCATION

A.V.C College of Engineering

Mayiladuthurai, Tamil Nadu

B.Tech, *Information Technology*

- UG, Year: 2022-2026, CGPA: **8.1/10.0**

Raj Matriculation Higher Secondary School

Mayiladuthurai, Tamil Nadu

Higher Secondary Certificate (HSC) and Secondary School Leaving Certificate (SSLC)

- HSC (Class 12), Year: **2022**, CGPA: **7.55/10.0**

- SSLC (Class 10), Year: **2020**, CGPA: **7.8/10.0**

SKILLS SUMMARY

- **Languages:** Python, JavaScript, C, HTML, CSS
- **Frameworks & Libraries:** ReactJS, Node.js, Express.js, TensorFlow, Pandas, NumPy, Matplotlib, Django
- **Data Analytics & Visualization Tools:** Power BI, Tableau, Excel
- **Databases:** MySQL, MongoDB
- **Soft Skills:** Problem Solving, Teamwork, Communication, Critical Thinking

ACADEMIC PROJECTS

Wedding Hall Booking Website

- Developed a responsive wedding hall booking web app using Django, HTML, CSS, and Bootstrap for seamless user experience.
- Implemented user authentication, hall booking, and MySQL.
- Designed an admin dashboard to manage halls, view bookings, and collect customer feedback efficiently.
- Tested and validated CRUD operations (create, update, delete, view) ensuring reliable database performance.

Matrimony Bot

- Developed an intelligent Matrimony Chatbot using Natural Language Processing (NLP) for smart matchmaking conversations.
- Integrated MongoDB to securely store user profiles, preferences, and chat history.
- Implemented a personalized match recommendation system based on user interests and compatibility.

Chatbot Like Chatgpt

- Built a ChatGPT-like conversational AI bot using Retrieval-Augmented Generation (RAG) for intelligent and contextual responses.
- Implemented context-aware query handling to improve accuracy and relevance in conversations.
- Designed a responsive and user-friendly frontend UI for seamless real-time chatbot interaction.

Women's Safety System

- Developed a Women's Safety System using Python for real-time gender detection and threat analysis.
- Integrated an SOS dashboard with live monitoring and instant alert notifications.
- Deployed the entire system on AWS for reliable and scalable cloud-based operation.

CERTIFICATIONS

- **TANSAM Hackathon 2025:** Secured **3rd prize** among 100+ teams for developing an impactful tech solution.
- **Smart India Hackathon (SIH 2024):** Represented college with a project solving real-world problems using tech innovation.

INTERNSHIPS

- **Annular Technologies:** Hands-on experience in AI/ML and deployment practices.
- **Corizo:** Completed project-based learning internship in web development.