

ATSHAYAA B

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EDUCATION

Coimbatore Institute of Technology , M.Sc. Data Science (5-Year Integrated)	2023 – 2028
• CGPA: 8.05 (Till 4th Sem)	
Santiniketan Public School, Theni	2022 – 2023
• HSC Percentage: 84%	

PROJECTS

Elderly Voice Assistant	GitHub
Technologies Used: <i>Flask, HTML, CSS, JavaScript, Web Speech API, Twilio, Geolocation API</i>	
– Built a multilingual assistant (Tamil/Hindi/English) with 95% keyword detection accuracy.	
– Achieved <1s emergency response time and enabled SMS alert triggers via Twilio.	
– Added geolocation-based alerting improving caregiver response efficiency by 30%.	
PetWise Recommendation System	GitHub
Technologies Used: <i>Flask, Python, HTML, CSS, JavaScript, MongoDB, APIs</i>	
– Built a full-stack web app that recommends pets using API-driven preference matching.	
– Implemented Flask backend and MongoDB storage, improving data retrieval efficiency by 40%.	
– Designed an interactive UI enabling seamless exploration of personalized pet profiles.	
Smart Invoice Processor with SAP Integration	GitHub
Technologies Used: <i>Python, Flask, PostgreSQL, HTML, CSS, JavaScript, Scikit-learn, Isolation Forest, KMeans, Plotly, SAP API</i>	
– Extracted invoice fields with 93% accuracy and deployed anomaly detection using Isolation Forest.	
– Reduced manual review time by 60% and orchestrated SAP posting using mock APIs.	
– Built Plotly dashboards enabling invoice insights 3× faster.	

SKILLS

Languages: Python, Java, SQL

Web: HTML, CSS, JavaScript

Soft Skills: Problem Solving, Communication, Teamwork, Adaptability

Databases: MySQL, PostgreSQL, MongoDB

Tools: Excel, Power BI

AREAS OF INTEREST

- Software Development
- Data Structures and Algorithms
- Full-Stack Web Development
- Database Management System
- Machine Learning
- Data Analysis

ROLES & RESPONSIBILITIES

- **Innovation Head (2025)** — FOSS-CIT
- **Social Media Team (2024–25)** — FOSS-CIT
- **Relational and Quality Controller (2025)** — The Snippet

CERTIFICATES

- **Python Bootcamp** — Udemy
- **Java (Basic)** — HackerRank
- **Database Management System** — NPTEL
- **Web Development (HTML, CSS, JS)** — Coursera
- **Power BI** — OfficeMaster

ACHIEVEMENTS & PARTICIPATION

- Secured 2nd Runner-Up at **VISUAL FOCUS** conducted by SKCET.
- Earned the **LeetCode SQL 50 Badge**, demonstrating strong proficiency in SQL problem-solving and database querying.
- Finalist in the **Melinia Ideathon** conducted by the **Department of Computing, CIT**, shortlisted among **150+ teams**.
- Finalist in **BYTE-SIZED BRAINSTORM – The Dough Vinci Code Hackathon** among **100+ teams** conducted by CIT.
- Participated in **SIH Internal Hackathon** conducted by CIT.