

# ATSHAYAA B

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🐙 github.com

## EDUCATION

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

## PROJECTS

<b>Elderly Voice Assistant</b> <i>Technologies Used: 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%.	GitHub
<b>PetWise Recommendation System</b> <i>Technologies Used: 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.	GitHub
<b>Smart Invoice Processor with SAP Integration</b> <i>Technologies Used: 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.	GitHub

## SKILLS

<b>Languages:</b> Python, Java, SQL	<b>Databases:</b> MySQL, PostgreSQL, MongoDB
<b>Web:</b> HTML, CSS, JavaScript	<b>Tools:</b> Excel, Power BI
<b>Soft Skills:</b> Problem Solving, Communication, Teamwork, Adaptability	

## AREAS OF INTEREST

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

## ROLES & RESPONSIBILITIES

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

## CERTIFICATES

• <b>Python Bootcamp</b> — Udemy	• <b>Web Development (HTML, CSS, JS)</b> — Coursera
• <b>Java (Basic)</b> — HackerRank	• <b>Power BI</b> — OfficeMaster
• <b>Database Management System</b> — NPTEL	

## ACHIEVEMENTS & PARTICIPATION

- Secured **2<sup>nd</sup> 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.