

# POONGUZHALI V

B.E. - Artificial Intelligence and Machine Learning

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## Brief Summary

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Self-motivated Computer Science graduate specializing in Artificial Intelligence and Machine Learning, with expertise in both front-end (HTML, CSS) and back-end (Java, Spring Boot, MySQL) technologies. Experienced in developing and fine-tuning Natural Language Processing (NLP) solutions including Named Entity Recognition (NER). Proficient in REST API development, and hands-on with version control tools (Git). Enthusiastic learner with experience in tools like Eclipse, MySQL Workbench, and ServiceNow.

## Key Expertise

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C++ HTML CSS Java Spring Boot SQL

## Education

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**Sri Krishna College of Technology**, B.E. - Artificial Intelligence and Machine Learning 2022 – 2026  
CGPA: 7.83 / 10

**Dhava Amudham Matric Higher Secondary School, Cuddalore** – 12<sup>th</sup> 2022  
Percentage: 88%

**Dhava Amudham Matric Higher Secondary School, Cuddalore** – 10<sup>th</sup> 2020  
Percentage: 80 / 100

## Internships

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**Coditi Soft Tech Private Limited** 09 Jul 2024 – 19 Jul 2024

- Developed a Named Entity Recognition (NER) system to identify organizational names using NLP techniques.
- Built a web-based application for uploading files and generating extracted entities.
- Tools used: Eclipse IDE, Java.

**HCL INFOSYSTEM LTD** 01 May 2025 – 30 May 2025

- During my data analytics internship, I gained hands-on experience with Power BI, where I learned to import, clean, and transform data for analysis. I developed interactive dashboards and visualizations to effectively present key insights and trends. This experience enhanced my ability to communicate data-driven findings through clear and impactful graphs and reports.
- Tools used: PowerBI.

## Projects

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### Glam Mart E-Commerce Website

- Developed a comprehensive Beauty Products Management Application designed to streamline product tracking and inventory management. Key functionalities include adding, updating, and categorizing beauty products efficiently. Integrated search and filter options to quickly locate items. Designed a user-friendly dashboard for an at-a-glance view of product details and inventory levels.

### Online PetShop Website

- Developed an Online Pet Shop Management system using HTML and CSS to design and implement a responsive website. The platform allows users to browse, search, and purchase pets and related products. Features include a visually appealing layout and intuitive navigation for a seamless user experience. Focused on delivering a user-friendly design with aesthetic elements to enhance engagement. Ensured cross-browser compatibility and optimized the website for performance.

## Real Estate Website

- Developed a Real Estate Management System using REST API to enable seamless CRUD operations. Designed and implemented web services for managing property listings and user data efficiently. Built a comprehensive application with an intuitive user interface using React JS for the front end. Utilized Spring for the back end and MySQL for database management. Delivered a scalable and userfriendly solution for real estate operations.

## Ai learning chatbot

- Developed an AI Learning Chatbot using Flask, Streamlit, and NLTK to provide interactive resources and quizzes on AI ML topics. Integrated natural language processing for dynamic user interaction. Enabled personalized learning through real-time feedback and quiz validation.

## Assessments / Certifications

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### Fundamentals of Artificial Intelligence

The Fundamentals of AI NPTEL course introduces the basics of AI, including its history, applications, and key concepts. It covers search techniques like BFS, DFS, and heuristic methods, along with knowledge representation using logic and inference. The course provides foundational knowledge to understand and apply AI techniques.

### Micro-Certification: Welcome to ServiceNow

Offered by Cisco.

### Introduction to MongoDB

### Introduction to Cybersecurity

## Seminars / Workshops

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Intel Gen AI Institute – Sri Krishna College of Technology

Mar 2024

- Hands-on experience with AI technologies, generative AI, and ethical considerations.

## Personal Interests / Hobbies

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Learning new languages

Reading books