

# Sathvika Duggirala



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## PROFILE

Computer Science undergraduate with expertise in data science, database management, and web development. Experienced in data analysis, visualization, and cloud technologies, with strong skills in SQL, machine learning, and front-end development using HTML, CSS, and JavaScript. Passionate about extracting insights from data and building interactive solutions. Strong problem-solving and teamwork abilities, eager to drive data-driven innovations

## EDUCATION

### B.Tech- Computer Science and Engineering

Amrita Vishwa Vidhyapeetham (CGPA:7.4)

2022 – 2026

Amritapuri, India

### Sasi Educational Institutes

Secondary Education 10th Grade (percentage: 90%) Higher Secondary 12th Grade (percentage:91%)

2020 – 2022

Tanuku, India

## PROJECTS

### Emotion Classifier using Deep Learning

Built a deep learning model for facial emotion classification, leveraging neural networks for feature extraction and classification, enhancing detection accuracy using Kaggle.

Oct 2024 – Dec 2024

### Cancer Prediction using Machine Learning

Developed a cancer prediction model using random forest, SVM, and XGBoost, optimizing accuracy through feature selection, model training, and evaluation in google colab.

Sep 2024 – Nov 2024

### Airline Management System

Designed a normalized ER diagram and relational schema for an airline management system, enhancing data integrity and efficiency in managing flights and bookings using postgres (pg admin 4).

Jan 2024 – Mar 2024

### ATM Machine

Developed an ATM machine application using Java OOPS principles, creating class diagrams like withdrawals and balance inquiries using visual studio code editor (vs code).

Dec 2023 – Jan 2024

### Restaurant Management System

Created a user-friendly interface for a restaurant management system using HTML, CSS, and Java, enhancing order management and increasing customer satisfaction using vs code and w3 schools.

Jul 2023 – Aug 2023

## INTERESTS

Data science | Database management systems (DBMS) | Web development

## SKILLS

c, c++ , java, oops concepts, html/css, python,Dbms.

## CERTIFICATIONS

### Data Analytics and Visualization Job Simulation – Accenture

Offered via Forage, this program covers project understanding, data cleaning, modeling, visualization, and storytelling. It provides hands-on experience in analyzing and presenting data-driven insights for aspiring data analysts

2025 – 2025

### Data Visualization: Empowering Business with Effective Insights – Tata

Completed a Forage virtual experience program, mastering business scenario framing, data visualization, and insight-driven communication to enhance decision-making.

2025 – 2025

### DATA SCIENCE

The ongoing Data Science Using Python course at TeachNook covers data analysis, visualization, and machine learning using Python libraries. It includes data wrangling, EDA, and statistical analysis to equip learners with industry-relevant skills.

2024 – 2025

### Web Design and Development – LinkedIn Learning

This course covers web design and development, including HTML, CSS, JavaScript, UI/UX design, and responsive layouts. It provides hands-on experience in building visually appealing and functional websites.

2024 – 2024

**CLOUD COMPUTING**

2024 – 2024

The Cloud Computing course at IIT Kharagpur's Kshitij covers AWS, Azure, and Google Cloud, focusing on architecture, deployment, and security. It provides hands-on experience and certification to enhance career prospects in cloud computing.

**COMMUNITY OUTREACH PROGRAMS**

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Delivered a mental health awareness session for high school students in thazhava under the ssr project at Amrita Vishwa Vidhya Peetham,focusing on promoting well-being and coping strategies. Oct 2024 – Oct 2024

**LEADERSHIP EXPERIENCE**

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Led a group in the successful execution of a project,coordinating tasks, managing timelines, and ensuring effective collaboration among team members.

**HOBBIES**

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Actively engaged in web development and data analysis, leveraging Python and SQL to build dynamic applications and extract meaningful insights from complex datasets, enhancing technical proficiency and problem-solving skills.

**LANGUAGE PROFICIENCY**

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English & Telugu to Read , Write , Speak and Uunderstand.  
Hindi to Read , Write and Understand. malayalam to understand.