Arjun Sundar

Chennai, TN • +91 63803 83363 • arjun.sundar3363@gmail.com • LinkedIn • GitHub • LeetCode • Portfolio

Academic Qualifications

Vellore Institute of Technology   Vellore, TN
2026, M.Tech. (Integrated) - Computer Science and Engineering with Specialization in Data Science
CGPA: 9.16/10

DAV Senior Secondary School   **Velammal Vidyalaya**   Chennai, TN
2021, Class XII, CBSE, Computer Science - 96.4%   2019, Class X, CBSE - 92.8%

Experience

UX & Database Design at 7 Stones Digital   Remote
Designed UX and database schema for kitchen management in an ERP. Defined key features,   Jul 2024 - Sep 2024
optimized data flow, and collaborated with developers.

Skills

Programming & Development: Python, C, Java, Bash, Angular, SQL, MongoDB, Neo4j, Git, Docker, AWS, MATLAB, RESTful APIs
AI & Data Science: Data Processing, Tableau, Machine Learning, Natural Language Processing, Neural Networks, Computer Vision
Security: Cryptographic Algorithms & Protocols, Blockchain Technology, Secure Software Engineering
Networking: Network Architectures & Protocols, Wireshark, Cisco Packet Tracer, Distributed & Cloud Computing
Embedded Systems: Computer Architecture, Linux, RTOS, Embedded C, MicroPython, Microcontrollers, Tinkercad
Core: Data Structures & Algorithms, DBMS, OOP, Number Theory, Statistics & Probability, Linear Algebra, Optimization Techniques
Other: Game Theory, Chess, Tutoring, Fast Learning, Leadership, Creative Thinking, Collaboration

Projects

Smart Water Tank Control System using IoT   2025
Developed an ESP32-based automated control system using MQTT, MicroPython and magnetic reed sensor
for intelligent water level detection and optimized tank switching.

OpenLearn, A Collaborative AI Platform for Accessible Education   2024
Designed OpenLearn, an empty AI-powered platform democratizing education by enabling global expert
contributions, using Angular, Llama LLM, Python Django REST Framework, and Neo4j.

Web Mining and NLP on Information Authenticity   2024
Built a fake news detection system that scraped Instagram news channels, stored data in MongoDB, and
assessed query authenticity using NLP techniques, achieving 89% accuracy.

Tamil Handwritten Spelling Error Correction   2024
Engineered a system to digitize Tamil handwritten text using Convolutional Neural Networks (CNNs),
image dilation, and contouring, with context-aware spelling error correction using NLP.

FOODIES, A Food Ordering Application in Angular   2023
Developed a mobile-friendly food ordering web app, using Angular and Python Django REST API.
Integrated an admin panel for statistical insights and visualizations using Chart.js.

LanChat, A Chat Application in Python { Try }   2021
Created a multi-threaded real-time chatting application using Python socket programming, PyQt5, and
MySQL, enabling secure concurrent communication for multiple users.

Achievements and Volunteering

Open Source Contributor   2025
Actively contribute to open-source projects, including Streamlit, AWS CLI, and scikit-learn. Passionate about
applying skills to support and improve the open-source community.

Educator and Speaker, Government High School, Vedakollaimedu and Chennai   2024
Delivered a talk on "Exploring the World Beyond Schooling" and led a team to teach basic English to
government school students, fostering learning and confidence.

Young Environmental Scientist (YES) Title Winner, IWMA, IIT Madras   2020
Led a team of four to engineer the "Exhaust Reactor", an innovative device that captures carbon from
vehicle exhaust to mitigate emissions and slow climate change.

Certifications

AWS Certified Solutions Architect - Associate	2024
CS50's Introduction to Artificial Intelligence with Python, Harvard University	2024
Neo4j Graph Database, Certified Professional, Graph Academy	2024
CS50's Web Programming with Python and Javascript, Harvard University	2024
The Power of Statistics, Google	2023
Machine Learning Specialization, Stanford University and DeepLearning.AI	2023