PRIYADHARSHINI NAGARAJAN

Final year Computer Science Student

priyanagrajan612@gmail.com   +91 8825869276

Career Objectives

Aspiring Computer Science student passionate about innovative solutions, Full-stack development, Java development, problem-solving, and AI-driven application.

Links

https://in.linkedin.com/in/priyadharshini-nagarajan-5b5977305
https://www.hackerrank.com/profile/priyanagarajan61
https://www.duolingo.com/profile/Priya650335

Education

Bachelor of Engineering - Computer Science and Engineering
Kongunadu College of Engineering and Technology, Trichy
CGPA 8.10
HSC - Amala Girls Higher Secondary School
Percentage 73%
SSLC - St. Mary's High School
Percentage 90.8%

Hackathons

CMR Hackfest 2.0 - AI-powered IoT system for Water Quality Monitoring

My Role: Workflow Designer

Developed an AI-integrated IoT solution to monitor real-time water quality using sensors and machine learning algorithms. The system ensures early detection of contamination to prevent waterborne diseases.

Hack $Day Edition 1 - 'Rural Care' for Rural Healthcare Digitization

My Role: Workflow Designer

Built a web app to digitize healthcare access in rural areas, allowing patient registration, report updates, and emergency alerts. Integrated priority-based doctor allocation for critical cases.

Hackathon at VIT Bhopal in Collaboration with Johns Hopkins University

My Role: Project Explainer

Collaborated on global health-tech challenges with peers from VIT and Johns Hopkins. Presented an AI-based project focused on healthcare accessibility or emergency aid.

AI-Powered Agriculture Platform for Farmers - TNWISE 2025 (TANCAM Hackathon) Selected for Final Round among 367 teams and 900+ participants from 80+ institutions across Tamil Nadu

My Role: Frontend developer

Designed a smart Agri-tech solution featuring an AI marketplace, disease detection via CNN, crop recommendation, and a chatbot assistant. Empowered farmers with fair trade, expert guidance, and secure transactions using AI and ML. Empowered real-time interaction between hearing and speech-impaired individuals and others.

Two-Way Communication System for Deaf and Mute (SCHWAN TECH 2.0 - 2nd Prize Winner)

My Role: Frontend Developer & Explainer

Developed an AI-based communication tool enabling speech-to-sign and sign-to-speech translation using NLP, CNN, and gesture recognition.

Technical Skills

Java

HTML, CSS

SQL (beginner)

Soft Skills

Teamwork

Adaptability

Tools & Platforms

VS Code

AWS

Projects

AI Emotional Support and Crisis Assistant - My Role: Program developer

Developed an AI-based assistant that detects emotional states (e.g., stress, anxiety, sadness) from text or voice input using NLP and sentiment analysis. Generates empathetic responses, offers crisis guidance, and recommends self-help resources such as meditation and therapy videos. Supports both voice and text for accessibility.

AI-Powered Smart Review Analyzer for E-commerce Platforms - My Role: Program developer

Developed an AI-powered Smart Review Analyzer that uses NLP and machine learning to classify review sentiment and detect fake reviews on e-commerce platforms. Delivers insights through pie charts, data-driven product recommendations to support better user decisions.

Area of Interest

Web development

Java development

Certifications

AWS Certified Cloud Practitioner - Amazon Web Services (AWS) September, 2024

Achievements

Paper Presentation (2024) - 1st Prize at OG TECH 2K24 for EMPATHIA: AI Emotional Support and Crisis Assistant.

Hackathon (2025) - 2nd Prize in SCHWAN TECH 2.0 for AI-powered two-way communication system for speech and hearing-impaired individuals.

Typewriting – English (2023) - Secured First Class with Distinction in Typewriting – English Lower Grade (2023), Govt. of Tamil Nadu

Extra-curricular Activities

Annual Day – College Cultural Event (2024), Role: Team Member
Achievement: First Prize in Dance Competition

Highlights: Participated as part of the CSE department team in the college cultural event. Winning first place was a proud moment, showcasing our **dedication, creativity, and teamwork.**