

# Karunya Vaithianathan

karunyavaithianathan@gmail.com | +91 9360997329 | Coimbatore

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## CAREER OBJECTIVE

To obtain a position in the field of software development or artificial intelligence where I can utilize my technical skills, problem-solving abilities, and project experience to develop innovative solutions and grow as a professional.

## WORK EXPERIENCE

### Data Science Intern • Internship

May 2025 - Jun 2025

Ether Infotech, Coimbatore

Completed an internship at Ether Infotech as a Data Science Intern, gaining hands-on experience in data preprocessing, exploratory data analysis (EDA), and machine learning model development. Utilized tools such as Python, Pandas, NumPy, and Matplotlib to analyze datasets and generate meaningful insights. Collaborated on projects to improve model accuracy and support business decisions.

### Web Development • Internship

Jun 2024 - Jul 2024

AcmeGrade, Virtual

Worked as a Web Development Intern at AcmeGrade (remote), focusing on front-end development and responsive design. Developed interactive web pages using HTML, CSS, and JavaScript, and gained exposure to frameworks and version control tools like Git. Collaborated on projects to enhance user experience and website functionality.

## EDUCATION

### Bachelor of Engineering (B.E), Artificial Intelligence And Data Science

2023 - 2027

Avinashilingam University

CGPA: 7.79/10

### Senior Secondary (XII), Tamilnadu State

2023

Science

Sheik Fathima Girls Matric Higher Secondary School, Aranthangi, Pudukottai

Percentage: 82.80%

## TRAININGS / CERTIFICATIONS

### Full Stack Development

Apr 2024 - Present

Nxtwave Academy, Virtual

Currently pursuing a Full Stack Development course at NxtWave Academy, gaining knowledge in front-end and back-end technologies including HTML, CSS, JavaScript, and database management. Developing responsive web applications and strengthening problem-solving skills.

## PORTFOLIO

[GitHub link ↗](#)

[Portfolio link ↗](#)

## PROJECTS

### [Silver Care AI ↗](#)

Nov 2025 - Dec 2025

SilverCare AI is a smart digital assistant designed to support the safety, independence, and emotional well-being of senior citizens. It combines AI conversation, health reminders, emergency detection, and caregiver tools to improve daily life for

### [Max Educational Consultancy Website ↗](#)

Feb 2026 - Present

Developed a responsive Educational Consultancy website using modern web technologies. Focused on UI/UX design, performance, and building an interactive platform for users to explore educational services.

### [Insider Threat Detection ↗](#)

Feb 2026 - Present

Developed an Insider Threat Detection system using ML to identify suspicious behavior, along with a user-friendly frontend interface for data visualization and monitoring.

### [Scroll Driven Hero Animation ↗](#)

Mar 2026 - Present

Engineered a dynamic hero section leveraging GSAP ScrollTrigger for scroll-based animations and smooth scrubbing effects. Enhanced performance through GPU-accelerated CSS transforms and created staggered entry animations for key UI elements. Ensured cross-device responsiveness using Tailwind CSS.

### [Fake News Detection ↗](#)

Mar 2026 - Present

Designed and implemented a fake news detection model leveraging Natural Language Processing and TF-IDF vectorization. Applied data preprocessing techniques and trained a Logistic Regression classifier to accurately predict news authenticity.

## SKILLS

- HTML
- Python
- Web development
- Neural Networks
- CSS
- SQL
- Data Analysis
- Data Structures
- JavaScript
- Data Visualization
- Artificial intelligence
- Database Management System (DBMS)

## ADDITIONAL DETAILS

- NxtWave Academy - Build Your Own Static Website
- NxtWave Academy - Build Your Own Responsive Website
- NxtWave Academy - Introduction to Databases
- NxtWave Academy - Programming Foundations with Python
- NxtWave Academy - Build Your Own Dynamic Web Application
- Infosys Springboard - Introduction to Artificial Intelligence
- Infosys Springboard - Introduction to Natural Language Processing
- Infosys Springboard - Introduction to Deep Learning
- IBM SkillsBuild - Introduction to Data Concepts
- IBM SkillsBuild - Data Science Landscape
- IBM SkillsBuild - Introduction to Tableau Desktop
- IBM SkillsBuild - Getting Started with Data
- NPTEL - Introduction to Internet of Things
- NPTEL - Entrepreneurship and IP Strategy

### [Shopify Store ↗](#)

Mar 2026 - Present

Developed a fully functional e-commerce website using Shopify for a coffee brand, Brewora. Designed user-friendly layouts, customized themes, and managed product listings, payments, and navigation to ensure a seamless shopping experience.

### [Movie Recommendation System ↗](#)

Feb 2026 - Present

Created a Movie Recommendation System to suggest movies based on user interests. Worked on data analysis, preprocessing, and building recommendation logic.