

KAVIN VETRIVEL G

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OBJECTIVE

Enthusiastic and driven AIML undergraduate. Passionate about learning new technologies, solving complex challenges, and building innovative solutions. Seeking opportunities to apply my problem-solving skills and technical knowledge in a dynamic environment.

EDUCATION

Bachelor of Engineering in Computer Science (Specialization in AI & ML)

PSG College of Technology

Expected 2027

Higher Secondary Education Green Garden Matric Higher Secondary School

2021 - 2023

EXPERIENCE

Sponsorship & Event Operations Member, Global Leaders Forum

Sept 2024 – Present

PSG College of Technology, Coimbatore, Tamil Nadu

- Supported the organization and logistics of **TedxPSGTech 2025**, focusing on venue decor, stage setup, and ensuring smooth event flow.
- Collaborated with cross-functional teams to maintain timelines and resource readiness for live sessions.

Host & Core Member, Youth United Council of India

Jan 2024 – Dec 2024

- Hosted an Entrepreneur Webinar** featuring multiple startup founders—handled speaker introductions, moderated the event, and delivered closing remarks.
- Engaged over 100+ participants by maintaining flow and audience interaction throughout the session.

PROJECTS

Elephant Species Distribution Modeling Used Pandas, scikit-learn, and Matplotlib for species distribution analysis. Processed occurrence coordinates and generated climate corridor models. Using the analysis, we can create climate corridors for elephants where they can migrate during harsh conditions.

Personal Portfolio Website Built a fully responsive and accessible portfolio website using HTML5, CSS3, and Vanilla JavaScript to showcase my skills, projects, and resume. Integrated Font Awesome for vector icons and Google Fonts (JetBrains Mono) for modern developer-focused typography. Implemented features such as theme toggling, hamburger navigation, and smooth scrolling without relying on frontend frameworks or build tools. Focused on semantic structure, responsive design, and accessibility best practices using aria-labels and media queries. Hosted as a static site with clean, lightweight code and an embedded downloadable PDF resume.

Applied Regression Models on Real-world Datasets Worked with multiple datasets to apply various supervised learning techniques using Python (Pandas, scikit-learn, NumPy, Matplotlib). Built a logistic regression model for Titanic survival prediction, applied Gaussian Naive Bayes for pancreatic cancer detection, and used logistic regression on the Pima Indians Diabetes dataset. Well-versed in Linear Regression and Gaussian Naive Bayes for both prediction and classification tasks. Performed data preprocessing, feature selection, model evaluation, and tuning using metrics such as accuracy, F1-score, and ROC-AUC.

SKILLS

Programming Languages

C, Java, Python

Web Technologies

HTML, CSS, JavaScript(Basics)

Database Technologies

SQL

Tools

Git, VS Code, Jupyter Notebook

Currently Learning

React.js Node.js

AREAS OF INTEREST

- Machine Learning, Cybersecurity

INVOLVEMENT & ENGAGEMENT

- Active participant in chess competitions
- Participated in Smart India Hackathon 2024