

DEVIKA K

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Objective

Passionate AI Engineer with hands-on experience in Python, HTML, CSS, and JavaScript. Proven expertise in the software development life cycle and a drive for solving complex problems through innovative AI and machine learning solutions. Eager to join a forward-thinking team where I can apply my technical skills and creativity to contribute to cutting-edge projects and advance my career in AI engineering.

Education

Amrita Vishwa Vidyapeetham, Coimbatore

Artificial Intelligence Engineering

Excel Public School, Mahe, Pondicherry

Bioscience, Class XII

Amrutha Public School, Vadakara, Kerala

CBSE, Class X

September 2021 - June 2025

CGPA: 7.02/10

August 2019 - June 2021

Percentage: 93%

March 2018 - March 2019

Percentage: 85%

Skills And Interests

Technical Skills: Python, HTML, CSS, Matlab, JavaScript, Java, MySQL

Technical Interests: Front-End Engineering, Generative AI, Natural Language Processing, Computer Vision, Deep Learning

Soft Skills: Problem-Solving, Communication skill, Adaptability, Leadership Quality, Teamwork, Interpersonal Skills, Analytical Skills, Multitasking.

Platforms: Integrated Development Environments (Jupyter Notebook, VS Code), Cloud Platform (AWS), Anaconda

Languages: English (Fluent), Malayalam (Native), Tamil (Fluent), Hindi and Telugu (Basic Understanding)

Internships

Singularium Technologies Pvt Ltd

Software Development Intern

June 2024 – July 2024

Contributed to the StepZero project, enhancing the Z_Menu and Hyper Invoice modules. Led the AI team to develop and deploy an XGBoost model with over 90% accuracy, streamlining processes and increasing efficiency. Automated workflows, reducing manual tasks, showcasing leadership and problem-solving abilities.

Projects

Music Generator System Using Generative AI

June 2024 – July 2024

- Developed a music generator system utilizing Generative Adversarial Networks (GANs) to produce original compositions.
- Implemented using Python, TensorFlow, and Keras.
- Processed MIDI data to train the GAN model and evaluated the generated music for quality and diversity.

Weather Data Analysis using Kafka, MongoDB, and Tkinter

December 2023 – January 2024

- Developed a system using Kafka, MongoDB, and Tkinter for real-time weather updates, secure storage, and user-friendly visualization.
- Extended functionality with Spark for detailed weather analysis.
- Implemented Kafka for streaming, MongoDB for storage, and Tkinter with interactive Matplotlib charts.

Travel Blog Website Development

November 2024 – December 2024

- Developed a comprehensive travel guide platform offering curated itineraries, real-time currency conversion, and seamless hotel and flight booking integration.
- Implemented secure user authentication and personalized dashboards for managing bookings.
- Integrated a dynamic back-end to manage blog posts, user interactions, and database connectivity.
- Built with HTML, CSS, JavaScript, React, and API integration to deliver a dynamic and user-friendly experience.

Publications

[From Dataset to Detection: A Comprehensive Approach to Combating Malayalam Fake News](#) **January 2024**
Devika K, Hari Prasanth B, Haripriya B, Vigneshwar E, Bharathi Raja Chakravarthi, Premjit B (2024). In proceedings of Fourth Workshop on Speech, Vision, and Language Technologies for Dravidian Languages (DravidianLangTech-2024) at EACL 2024.

[Overview of the Second Shared Task on Fake News Detection in Dravidian Languages](#) **March 2024**
Malliga Subramanian, Bharathi Raja Chakravarthi, Kogilavani Shanmugavadivel, Santhiya Pandiyan, Prasanna Kumar Kumaresan, Balasubramanian Palani, Premjith B, Vanaja K, Mithunja S, Devika K, Hariprasath S.b, Haripriya B, and Vigneshwar E. (2024). In proceedings of Fourth Workshop on Speech, Vision, and Language Technologies for Dravidian Languages (DravidianLangTech-2024) at EACL 2024.

Certifications

[Generative AI Specialization - Coursera](#) **August 2024**

[Deep Learning with Python - Coursera](#) **May 2023**