

VILAS PK

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Career Objective

Final-year B.Tech student seeking a challenging position in Artificial Intelligence and Data Science where I can apply my technical skills, strong work ethic, punctuality, and teamwork to drive innovation and enhance operational efficiency.

Technical Skills

Languages: Python, Java, C, SQL, R, HTML

Libraries/Tools: Machine Learning, Deep Learning, OpenCV, YOLOv8

Projects

Real-Time Sign Language Recognition System using Jarvis AI Assistant

Built an AI assistant capable of recognizing sign language in real time using computer vision and deep learning. Integrated voice responses using pyttsx3 and detection models with YOLOv8 and OpenCV. Enabled communication for differently-abled individuals via speech output.

VQA System for CT Scans (Ongoing)

Exploring pretrained Visual Question Answering models for healthcare, such as MedVQA and ViLT, to answer queries about CT scan images. Aiming to build a lightweight, cloud-deployable solution using MONAI and NVIDIA models.

Integrated AI Assistant for Visually Impaired People

Developed an AI assistant using YOLOv8 for object detection and face recognition. Incorporated voice interaction for real-time scene understanding and support for visually impaired individuals.

Education

B.Tech in Artificial Intelligence and Data Science

Vimal Jyothi Engineering College, Kannur

2021 – 2025

Higher Secondary Education (12th)

Chembilode Higher Secondary School

2019 – 2021

Score: 90%

SSLC (10th)

Chembilode Higher Secondary School

2018 – 2019

Score: 88%

Internships & Workshops

- AI Developer Intern – Let's Code AI LLC, USA
- 10-day Internship on Python – Reverttech IT Solutions (May 2023)
- Flutter Workshop – Alisons Informatics (2 Days)
- AI Workshop – College of Engineering, Thalassery
- NextGenAI Induction Program (July 2024)
- Coordinator – AI Workshop by IIT Delhi alumnus Trivikrama

Certifications & Achievements

- 16-Week Applied AI Diploma – Let’s Code AI LLC (USA): Coursework in ML, DL, Generative AI; certified in LLMs, CNNs, real-world AI systems.
- Coordinator for “AI for Students: Build Your Own Generative Model” workshop – by IIT Delhi alumnus Mr. Trivikrama.
- Hands-on project certification – “AI for Students: Build Your Own Generative Model” workshop by IIT Delhi alumnus Mr. Trivikrama.
- Completed NextGenAI Induction Program (27 July 2024).

Languages

English, Hindi, Malayalam

Soft Skills

Teamwork, Leadership, Creativity, Decision-making, Communication, Optimism