

Nandakrishnan O

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Objective

B.Tech Computer Science and Engineering graduate with a strong foundation in Python, AI, deeplearning, software development, etc. Experienced in developing innovative projects, including a Driver Assistance System and a Deepfake Detection System. Certified in Robotics (NPTEL, IIT Kharagpur) and Python (CADD CENTRE). Passionate about AI, web development, and emerging technologies, with a keen interest in problem-solving and continuous learning.

Education

APJ Abdul Kalam Technological University

Bachelor of Technology
Pursuing

2025

Board of Higher Secondary Examination, Kerala

Higher secondary
75%

2021

General Education Department of Kerala

SSLC
85%

2019

Experience

Edunet Foundation (MS AINSI Internship)

April 2025 - May 2025

AI Intern

- A 4-week AICTE internship program in collaboration with Microsoft, focusing on Artificial Intelligence, Machine Learning, Deep Learning, and Generative AI.
- The Microsoft AI National Skilling Initiative (MS AINSI) is designed to equip learners with AI skills through interactive training, industry webinars, and hands-on internships.
- Participated in mentor-led sessions and hands-on projects, building a strong foundation in AI concepts including classification, regression, and neural networks.
- Gained practical experience through Azure demos, Custom Vision tools, and interactive masterclasses.
- Worked individually on real-world problem statements and delivered project demos under expert mentorship.
- Successfully completed the internship by engaging with LMS courses, submitting project work, and actively collaborating in weekly sessions.

Edunet Foundation (Techsaksham Internship)

Jan 2025 - Feb 2025

Intern

- A 4-week AICTE internship program in collaboration with Microsoft and SAP, specializing in Data Analytics, Machine Learning, Deep Learning, and GenAI.
- During this internship, I worked on real-world problem definitions, developed innovative project prototypes, and received personalized mentorship from industry experts.
- The program offered collaborative group learning, knowledgesharing sessions, and hands-on experience in solving industry challenges.

Mallikarjuna Infosys

Oct 2023 - Dec 2023

Python developer intern

- Gained practical experience in Python development by working on diverse projects in collaboration with AICTE.
- Engaged in designing, coding, testing, and debugging Python applications while following best coding practices.
- Contributed to the development of innovative solutions by implementing algorithms, optimizing code efficiency, and integrating APIs.

Skills

- Programming Languages: C, Java, Python, SQL, JavaScript, CSS, HTML
- Artificial Intelligence & Machine Learning: Artificial Intelligence (AI), Machine Learning, Deep Learning, PyTorch, TensorFlow, Keras, Computer Vision, OpenCV, Image Processing
- Tools & Technologies: Git & GitHub, Firebase, Microsoft Office, Jupyter Notebook, Google Colab, ComfyUI, Anaconda, VS code
- Software Development & Testing: Software Testing, Debugging, Agile Practices, Requirement Analysis, Deployment
- Soft Skills: Problem Solving, Critical Thinking, Team Building, Communication, Presentation Skills

Project

Driver Assistance System

Description: A safety system that detects driver drowsiness and fatigue, generates alerts, and sends emergency notifications (including GPS location) during accidents.

Technologies Used: Likely involved Python, OpenCV, and possibly YOLO or similar deep learning models for detection, along with APIs like Twilio for notifications and Google map api for location.

Deepfake Detection

Description: A software system designed to determine whether a video or audio is real or fake using deep learning techniques.

Technologies Used: Deep learning, Vision Transformers, Wav2vec2, Python, audio and video processing libraries, and possibly TensorFlow or PyTorch.

Image generation using stable diffusion & comfy ui

Description: AI-based system for generating high-quality images using the Stable Diffusion model, integrated into a node-based visual interface via ComfyUI.

Technologies Used: Stable Diffusion, ComfyUI, deep learning.

Activities

- NSS volunteer
- PACE coordinator (Project for Accident free Campus Environment)

Language

- Malayalam
- English
- Hindi

Certification

Robotics

- Completed NPTEL Robotics course hosted by Swayam NPTEL in collaboration with IIT Kharagpur.
- Duration: July–September 2024 (8-week course)
- Consolidated Score: 61% (Elite)

Python

- Completed Python training at CADD CENTRE TRAINING SERVICES, Thiruvalla.
- Duration: 07 September 2023 – 15 December 2023

Interests

- Programming
- Learning new things