

# NEIL JOSEPH

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Enthusiastic Computer Science undergraduate with a focus on Artificial Intelligence, skilled in Fields like Computer vision, Natural Language Processing, Machine learning. Committed to leveraging AI to solve real-world problems and drive technological advancement.

## Skills

- **Programming:** Python, C, C++, Java, HTML, JavaScript
- **AI/ML Frameworks:** TensorFlow, PyTorch
- **NLP Tools:** LangChain, LangGraph, CrewAI
- **Computer Vision:** OpenCV, MediaPipe, Vision Transformers (ViT)
- **Other Skills:** Problem Solving, Research, Team Management, Leadership

## Key Achievements

- Reached Top 10 teams in the first ever IBM watsonx challenge held at IBM kochi
- Selected for state level 3D animation camp organized by KITE at Kerala StartUp

## Projects

- **CerebroMark : Automated Attendance monitoring using AI** — Machine Learning, Computer Vision, Pytorch, Python
- **Oratis: Online Mock interview with 3D AI interviewer Avatar for placement assist** — NLP, Computer Vision, API, Python
- **GrindSensAI : AI based physical training guide and Progress tracking with Computer Vision** — Django, React.js, Mediapipe, API
- **Hand gesture controlled UI with voice assistant** — Computer Vision, NLP, Python
- **Custom AI assistant using Retrieval-Augmented Generation (RAG)** — NLP, Python
- **Voxia: Sustainable project management using IBM WatsonX** — NLP, API, Python
- **Environmental awareness using AR Storyline game** — Unity, C#

## Experience

### AI & ML Intern

*InternsChoice, Bengaluru, Karnataka*

March 2023 – April 2023

- Worked on projects, using tools such as Python, SciKitLearn, TensorFlow, OpenCV.
- Developed a Image classifier model and a Customer service ChatBot.

### AI Web development Intern

*Jorim Technology Solutions Pvt Ltd, Chennai, Tamil Nadu*

May 2025 - July 2025

- Learned about full stack web development and get to familiarize with frameworks such as Django, React js
- Built AI integrated web applications to solve Healthcare issues.

## Certifications

- AWS AI Cloud Practitioner: Udemy (Link)
- IBM Watsonx.ai Technical Essentials : IBM (Link)

## Education

<b>Adi Shankara Institute of Engineering and Technology, Kalady</b>	2022 - 2026
B tech, Computer Science, Artificial Intelligence	CGPA: 9.0/10.0
<b>St. Sebastian's HSS Palluruthy</b>	2021 - 2022
Higher Secondary Education	94.75%
<b>St. Sebastian's HSS Palluruthy</b>	2020
10th Grade, Kerala State Board	Full A+

## **Paper Publications in International Conferences**

Dr. Amrutha Muralidharan Nair, Neil Joseph, Aaquib Hanan, Maheswar Babu, Samjish K S -  
Oratis: AI Guide to Ace interviews - International Conference on Innovations in Mechanical, Robotics,  
Computing, and Biomedical Engineering - April, 2025

## **Additional Skills**

Internet of things (IOT), Electronics, 3D modeling and animation, Film making, 3D printing, Web  
app development, AR/VR applications.