

NSDC MEC

# PYTHON MEETUP

EVENT REPORT

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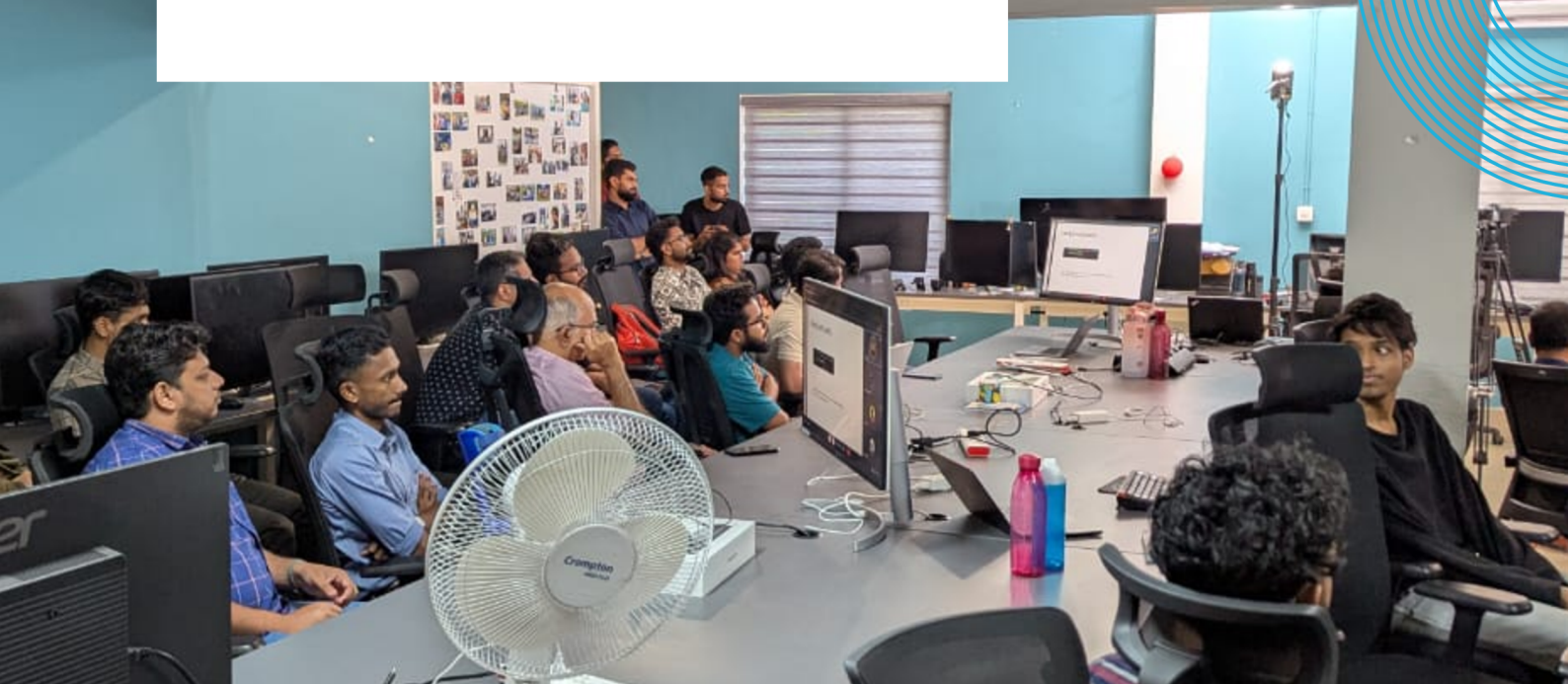


**FEB 8, 2025**

[nsdc.mec.ac.in](http://nsdc.mec.ac.in)

Event Report

# PYTHON MEETUP FEB 2025



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The Python Meetup - Kochi was an exciting event that brought together Python enthusiasts from various backgrounds to discuss, learn, and connect over their shared passion for programming.

This report outlines the key sessions, speakers, and outcomes of the meetup, highlighting the valuable discussions and knowledge shared.

Organized by NSDC MEC in collaboration with Entri App and Kochi Python, the meetup provided attendees with insightful talks and networking opportunities. Held on February 8, 2025, from 2:00 PM to 4:00 PM at Entri App HQ, Kakkanad, the event successfully fostered engagement within the Python community in Kochi.

Event Report

# Agenda & Highlights

The Python Meetup featured four insightful sessions by experienced professionals, each exploring a unique aspect of Python development and applications.

## Speaker 1: Soumya Sebastian

Topic: Chop, Stir, RAG, Repeat: AI Multilingual Cooking Workflow

Designation: Senior Product Engineer, Entri App

Soumya Sebastian introduced attendees to the fascinating intersection of AI and multilingual video processing, demonstrating how AI can be leveraged to understand and structure video content.

Key Takeaways:

- Using AI models like Whisper and Gemini for multilingual video transcription.
- Vector databases for efficient storage and retrieval of transcripts.
- Retrieval-Augmented Generation (RAG) techniques for seamless extraction of insights.
- A LIVE demo showcasing Malayalam video processing using AI.



## Speaker 2: Ali Shaik

Topic: How Can a Python Program Block Itself?

Designation: B.Tech Candidate, IIIT Kottayam | Core Contributor - stdlib

Ali Shaik delivered an in-depth technical session on how Python programs can encounter blocking issues and methods to handle them effectively.

Key Takeaways:

- Understanding blocking behaviors in Python programs.
- Identifying common pitfalls that lead to performance bottlenecks.

Strategies for writing efficient and non-blocking Python code.



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## Speaker 3: Gunj Joshi

Topic: No Server? No Problem!

Designation: Core Contributor, stdlib

Gunj Joshi introduced Pyodide, a tool that enables running Python directly in the browser without the need for a backend server.

Key Takeaways:

- How Pyodide allows running Python in the browser.
- Going full backend-less without infrastructure setup.
- Avoiding cloud costs while deploying Python applications.



## Speaker 4: Amrithesh Kakkoth

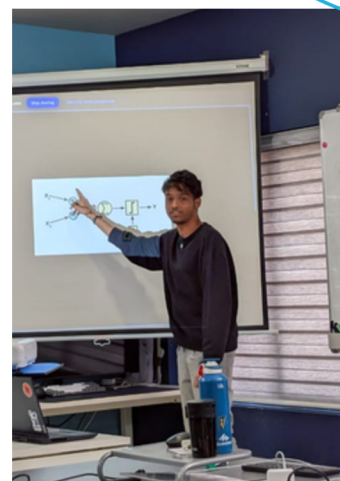
Topic: Building Your First Neural Network with Keras

Designation: Community Lead, NSDC MEC

Amrithesh Kakkoth conducted a hands-on deep learning session on constructing neural networks using Keras and TensorFlow.

Key Takeaways:

- Neural networks, demystified!
- Step-by-step guidance on building a deep learning model.
- Live hands-on training to build and tweak an AI model.
- Attendees were encouraged to bring their laptops for a more interactive learning experience.



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# Engagement & Participation

- The event saw an enthusiastic turnout of Python developers, students, and professionals.
- Live demonstrations and interactive Q&A sessions enabled deeper learning.
- Attendees connected through networking sessions, fostering collaborations within the local Python community.
- Participants were encouraged to join the Kochi Python Telegram group and stay updated on future events.



# 4

**Speakers**

# 40+

**Participants**

## Conclusion

The Python Meetup - Kochi successfully provided a platform for learning, networking, and community engagement. The insightful sessions on AI-powered video processing, Python program blocking, running Python in the browser, and building neural networks contributed significantly to attendees' knowledge and skills.

With an active and growing Python community in Kochi, this meetup reinforced the importance of continuous learning and collaboration. We look forward to organizing more such events in the future!