

Muhammed Sinan P K

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Summary

Resourceful and execution-focused CSE student with a specialization in Data Science. Experienced in leading high-impact technical events, managing teams, and building AI-powered tools. Passionate about problem-solving, digital product development, and applying practical innovation through collaborative work.

Education

B.Tech, Computer Science and Engineering (Data Science)

Mar Athanasius College of Engineering, Kothamangalam

2022 – 2026

Experience

Chief Operating Officer — IEDC MACE

2023 – 2025

Led operations and strategy for IEDC; coordinated flagship events like **HACKIFY**, **HACKIFY 2.0**, and **Xelerate 2.0**. Contributed to the successful execution of over **20+ workshops, hackathons, and innovation events**.

Finance Head — Telei'24, Takshak MACE

2024

Managed budgeting, sponsorships, and vendor negotiations for Telei'24 — a major auto show under Takshak. Ensured financial accountability and collaborated with sponsors from the automotive industry.

Event Coordinator — IEDC MACE

2023 – 2025

Organized and supported multiple events including workshops, talks, and hackathons. Key contributor in Chai Talks, Evoke, MicroPython Workshop, and Xelerate initiatives.

Publicity Lead — Game Development Club, MACE

2023 – 2024

Designed and executed digital outreach strategies to increase engagement and visibility of club activities; collaborated across teams for content, visuals, and campaign execution.

Anchor & Member — MACE Film Society

2023 – Present

Anchored formal college events and contributed to Film Society's informal programs, including creative sessions, screenings, and media initiatives within the campus community.

Projects

Chameleon: Video-on-Demand via Leiden Clustering

Built a content discovery system using **Leiden modularity clustering** on user interaction graphs. Enabled personalized community-based streaming and **user-controlled recommendations**. (*Python, NetworkX, Flask*)

AI-Powered Note-Taking Chrome Extension

Developed a browser tool to summarize selected web text using **Google Gemini AI** and auto-save annotated content with source URLs. Improved research and learning workflows. (*JavaScript, HTML/CSS, Gemini API*)

AI Resume Analyzer Web App

Created a resume parser and feedback tool using **Streamlit + Gemini API**. Delivered **job match insights**, grammar feedback, and ATS compatibility tips from uploaded resumes. (*Python, PyPDF2, NLP*)

IoT-Based Stress Detector

Designed a hardware system to classify stress levels as **Calm, Stressed, or Fever** using real-time data from a pulse oximeter and thermistor. Evaluated heart rate and temperature to detect physiological patterns. (*Arduino, Pulse Oximeter, Thermistor, Python*)

Skills

Languages: C, C++, Python, Java, HTML, CSS, JavaScript, SQL

Technologies: Git, LaTeX, MySQL, Streamlit, Chrome Extension APIs, Google Gemini API

Soft Skills: Event Coordination, Public Speaking, Team Leadership, Creative Direction