JAGAN S NAIR

Software Developer | AI/ML Enthusiast

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PROFESSIONAL SUMMARY

Highly motivated and detail-oriented MCA graduate with a foundation in software development, machine learning, and web technologies. Skilled in Python, Java, and SQL, with a passion for building scalable solutions and contributing to agile teams. Eager to apply hands-on experience to deliver innovative solutions in fast-paced, collaborative, and adaptable environments.

EDUCATION

- **Master of Computer Applications (MCA)** — **College of Engineering,Chengannur**
  CGPA: 7.30/10 — *Graduated: May 2025*

- **Bachelor of Computer Science (BSc.Computer Science)** — **St Thomas College,Kozhenchery**
  CGPA: 6.89/10 — *Graduated: March 2023*

SKILLS

- **Programming Languages:** Python, Java, JavaScript, SQL.

- **Technologies:** Machine Learning, Gen AI, Artificial Intelligence, NLP, Computer Vision, Speech Recognition, Text-to-Speech

- **Web Development Framework:** Django, Flask, HTML, CSS.

- **Algorithms and Data Structures:** Knowledgeable in DSA concepts, with hands-on experience implementing data structures.

- **Testing Knowledge:** Completed coursework in Software Testing, covering core principles and test case design.

- **Networking:** Completed coursework in Data Communication and Networking, focusing on protocols and network models.

- **CI/CD Tools:** GitHub Actions, Heroku (basic pipeline setup)

- **Other Tools:** Git, GitHub, Visual Studio Code (VS Code).

- **Other Skills:** REST APIs, Agile methodology, Problem Solving, Adaptability, Collaboration, Communication, Time Management.

- **Language Proficiency:** English(Full Professional), Hindi(Limited Working) , Malayalam(Native), Tamil(Limited Working)

PROJECT EXPERIENCE

- **AI Virtual Assistance with Real Time Conversations** *(MCA Main Project - Python, LLMs, Multimodal AI)*

  - This multi-modal capability allows to perform a wide range of tasks,including real-time object recognition , emotion detection, code debugging, and screen content analysis.
  - Deployed the application using Python electron module and react for easy accessibility.

- **Online Breast Cancer Prediction** *(MCA Mini Project- Python, Flask, Random Forest)*

  - Breast Cancer Prediction web app, using HTML and Python using machine learning algorithm Random Forest and Flask framework.
  - It predicts whether a breast tissue is Malignant or Benign according to the input parameters.

- **Sandbox-Investment Management System** *(Full Stack Developer Project - Python Django)*

  - Simple Investing web application, using Django in Python, where investors can seek for new entrepreneurs and invest their money and can do the payment through online.
  - Entrepreneurs can post their ideas to get noticed by investors.

CERTIFICATIONS

- **Cloud Computing MOOC Course** *(NPTEL)*

- **Data Analytics Job Simulation** *(Deloitte)*