

Suhas Pete

Email: petesuhas@gmail.com | Mobile: +91-7259633946 | linkedin.com/in/suhaspete



Education

- BMS Institute of Technology and Management** May 2026
BE in Information Science and Engineering | GPA: 8.68/10 Bengaluru, India

Experience

- Airbus** Aug 2025 – Present
Data Analyst Intern – Bengaluru, India *Python, Time-Series ML, Data Visualization*
 - Developing an interactive tool to map Flight Data Recorder (FDR) parameters and trace fault propagation across aircraft systems and subsystems.
 - Implemented supervised and unsupervised ML algorithms for anomaly detection in aviation time-series data.
 - Built visualization dashboards (Plotly, Streamlit) to represent system impacts and fault trees for incident analysis.
- Xzayogn (AI Startup)** Nov 2024 – Jul 2025
AI/ML Backend Engineer – Bengaluru, India *Python, FastAPI, Vector DBs, Cloud Systems*
 - Built scalable backend services with FastAPI and distributed storage systems using ChromaDB, optimizing database queries and implementing RESTful APIs for AI model deployments.
- Deloai Pvt Ltd** Jul 2024 – Sept 2024
Backend Engineer – Bengaluru, India *Python, REST APIs, Database Systems*
 - Implemented distributed backend services with storage architecture design, integrated AI APIs and optimized database performance.
- Nuevera Infotech Pvt Ltd** Oct 2023 – Mar 2024
Web Developer – Bengaluru, India *JavaScript, Python, Git, Automation*
 - Developed web applications with automated testing frameworks using Selenium and version control systems.

Achievements

- IIT Madras – Finlatics Challenge** Feb 2025
National Finalist *Financial Modelling, Data Analytics*
 - Top 25 teams nationwide for finance solution with advanced analytics and portfolio optimization algorithms.
- NITK Hackathon – HackVerse 5.0** Jan 2025
Second Runner Up *Python, API Integration, System Architecture*
 - JARVIS AI Assistant - Intelligent voice-activated system with speech processing and efficient backend architecture.
- 0Xday Hackathon – Pondicherry** Feb 2025
Second Prize *Machine Learning, Data Science*
 - Dynamic ML model selector with automated feature analysis and efficient data processing mechanisms.

Projects

- Flight Data Fault Mapping Tool** Jul 2025 – Present
Time-Series ML, Fault Propagation, Aviation Systems *Tech stack - Python, Scikit-learn, TensorFlow, Plotly, Streamlit, SciPy*
Designed a tool to map fault propagation across Airbus aircraft systems using FDR data. Applied time-series ML models to detect parameter anomalies, codified fault trees for incident tracing, and built an interactive dashboard visualizing system/subsystem impacts.
- Dockerized Web App Deployment with Kubernetes and Argo CD** Dec 2024
Cloud-Native Storage and Deployment Pipeline *Tech stack - Docker, Kubernetes, Argo CD, GitOps*
Deployed a scalable web app using Docker, Kubernetes, GitOps via Argo CD, and implemented canary deployments with Argo Rollouts and full infrastructure documentation.
- Multi-PDF Chatbot with Distributed Storage** Apr 2025
Vector Database and Document Storage System *Tech stack - LangChain, FAISS, Streamlit, Flask, Vector DBs*
Developed a LangChain-based multi-PDF chatbot using FAISS and Vector DBs, with Flask APIs and Streamlit UI for efficient document storage and semantic querying.

- **Emotion-Aware Interview System**

Jan 2025

Real-time Data Processing and Storage

Tech stack - Flask, OpenCV, Streamlit, Python

Built an AI-powered virtual interviewer using OpenCV and Flask for real-time emotion detection and speech processing with optimized multimedia data management.

Skills

Languages: Python, C++, JavaScript, MySQL, HTML, CSS

AI/ML Technologies: Time-Series ML, Scikit-learn, TensorFlow, SciPy, Fault Detection Models, Supervised & Unsupervised Learning, Data Processing

Visualization & UI: Matplotlib, Plotly, Streamlit, Dash, Data Visualization, UI/UX Awareness

Storage & Infrastructure: Docker, Kubernetes, Vector Databases, FAISS, ChromaDB, File Systems, Object Storage

Cloud & DevOps: Google Cloud, Argo CD, GitOps, CI/CD, Container Orchestration, Distributed Systems

Backend Development: Flask, FastAPI, RESTful APIs, Database Design, System Architecture

Tools & Frameworks: Git, GitHub, OpenCV, Selenium, Version Control Systems

Soft Skills: Problem-Solving, Research, Collaboration, Innovation, Technical Documentation