Sheshraj Pawar

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EDUCATION

CSMSS CSCOE
B.Tech in AI & Data Science
July 2021 -- June 2024
CGPA: 7.94 / 10.0

LINKS

Github:// **sheshrajpawar**
LinkedIn:// **sheshrajpawar**
Portfolio:// **sheshrajpawar**

COURSEWORK

Data Structures & Algorithms
Machine Learning & Deep Learning
Natural Language Processing
Cloud Computing & GCP
Database Management Systems
ETL Pipelines & Big Data
Time-Series Analysis

SKILLS

PROGRAMMING
Python • R • SQL
Node.js • Bash
DATABASES
MySQL • MongoDB
Vector Databases
DATA SCIENCE & AI
TensorFlow • PyTorch
Pandas • NumPy • Scikit
LSTM • NLP • Agentic AI
Random Forest • OpenCV
TOOLS & INFRA
Git • Docker • GCP
FastAPI • REST APIs
Voice AI • Conversational AI

CERTIFICATIONS

AI Engineer Core Track
LLM, RAG, QLoRA, Agents
Google AI Essentials
Coursera
Career Essentials in Gen AI
Microsoft & LinkedIn
Stats & ML for Data Science
Learnbay
FastAPI Complete Course
Udemy

EXPERIENCE

AMEALIO | Data Engineer
Jan 2026 -- Aug 2026 | Pune, MH

- Architected high-throughput RAG and ETL data pipelines in cloud environments to stream unstructured data into vector databases.
- Automated document chunking, embeddings extraction, and context retrieval workflows, improving downstream LLM relevance by 35%.
- Implemented containerized microservices and strict schema validation using FastAPI and Docker, maintaining 99.9% uptime.

ASKIMO.AI SOLUTIONS | Software Engineer (AI)
Sep 2025 -- Jan 2026 | Pune, MH

- Deployed custom Voice AI agents leveraging Speech-to-Speech (S2S) engines, maintaining real-time voice latency under 300ms.
- Designed autonomous Agentic AI workflows to handle multi-step user requests, reducing human support ticket volumes by 45%.
- Engineered RESTful microservices in Python and Node.js with containerized Docker deployments, enabling horizontal scaling under high concurrency.

NAVADR SOLUTIONS | Junior Data Engineer
Dec 2024 -- Aug 2025 | Pune, MH

- Engineered production ML pipelines for churn and completion prediction, sustaining an 89–90% accuracy rate across 100K+ records.
- Developed a collaborative-filtering recommendation system to analyze technical skill gaps, attaining 92% recommendation accuracy.
- Optimized Random Forest models for sales targeting, reaching a 0.92 F1-score via hyperparameter tuning with GridSearchCV.

PROJECTS

HEALTHCARE CHATBOT (VOICE-ENABLED) | Python, LSTM, NLP

- Developed a voice-enabled LSTM NLP model processing patient symptom input, identifying preliminary conditions with 85% accuracy.
- Optimized tokenization and natural-language parsing routines, slashing inference latency by 15% and accelerating throughput by 25%.

HUMAN ACTIVITY RECOGNITION SYSTEM | Deep Learning

- Constructed a time-series classification pipeline utilizing multi-layer LSTMs on sensor data, achieving 95% classification accuracy.
- Refactored data preprocessing and feature extraction modules, increasing batch pipeline processing speeds by 40%.

KEY COMPETENCIES

- **Data Engineering:** Scalable ETL Pipelines, RAG Architectures, Vector Search.
- **AI Solutions:** Voice AI (S2S), Agentic Automation, Time-Series Forecasting.
- **Infrastructure:** Docker Containerization, Cloud Microservices, REST APIs.