Shaunak Lad

work.shaunaklad@gmail.com +91 9106155727 Linkedin GitHub portfilio
Valsad, Gujarat, India

EDUCATION

Atul Vidyalaya
01/2006 – 2022 | Valsad, Gujarat
ICSE board English Medium 10th- 86.33% | 12th- 70%

G H Patel College of Engineering & Technology,
Bachelor's in Computer Science and Engineering
09/2022 – 2025 | Anand, Gujarat
CGPA:7.96(Till 7th Semester)

PROFILE

Motivated Machine Learning and AI Engineer pursuing B.Tech in Computer Science with strong hands-on experience in Python, Deep Learning, NLP, and Data Science. Skilled in building and deploying ML models using TensorFlow, PyTorch, and Scikit-learn for real-world applications. Passionate about developing intelligent, scalable systems that solve business problems through data-driven insights.

TECHNICAL SKILLS

Machine Learning — Supervised & Unsupervised Learning, Deep Learning, Model Optimization, Feature Engineering

AI and NLP — Natural Language Processing, LLMs, TF-IDF, Text Summarization, Speech-to-Text, Sentiment Analysis

Languages — Python | SQL | C++ | C

Tools & Frameworks — TensorFlow, PyTorch, Scikit-learn, Keras, LangChain, Streamlit, OpenCV, Selenium, Whisper

Data Analytics — Data Cleaning, Visualization (Matplotlib, Seaborn), Statistical Analysis, Pandas, NumPy

Soft Skills: — Analytical Thinking, Problem Solving, Research, Collaboration, Communication

PROFESSIONAL EXPERIENCE

Atul Limited (Infotech Division) - Minutes of Meeting Recorder, *Summer Internship – AI/ML Engineer*
- Designed a bilingual (Hindi + English) speech-to-text recorder with real-time transcription and document export functionality.
- Achieved >90% transcription accuracy using the Web Speech API via Selenium automation in Chrome.
- Implemented a Tkinter-based GUI supporting live recording, pause/resume, and export to Word/PDF with timestamps.
- Handled multilingual input and exported 100% structured meeting summaries in less than 5 seconds post-recording.

BCG Data Science Job Simulation on Forage
- Completed a customer churn analysis simulation for XYZ Analytics, demonstrating advanced data analytics skills, identifying essential client data and outlining a strategic investigation approach.
- Conducted efficient data analysis using Python, including Pandas and NumPy.
- Employed data visualization techniques for insightful trend interpretation. Completed the engineering and optimization of a random forest model, achieving an 85% accuracy rate in predicting customer churn.

PROJECTS

PROPLAY ASSISTANT CHATBOT 09/2025
- Tools: Python, Streamlit, Groq API, FAST News API, TF-IDF, NLTK, Scikit-learn, NumPy, Pandas.
- Built an AI-driven sports chatbot using Streamlit and Groq AI, providing real-time insights on 20+ sports and players.
- Integrated LLMs (LLaMA-3.1-70B, Gemma-2-27B, Mistral) for fast, context-aware Q&A with <2s response latency and also has a FAST NEWS API which provide live Real time data.
- Optimized multi-model pipeline for 35% higher accuracy and 30% lower GPU usage, ensuring scalable performance.
- Designed an offline TF-IDF–based summarizer to condense user–bot chats by ~65%, eliminating API dependencies.

JARVIS AI AGENT 01/2025
- Tools: Python, Keras, Tensorflow, sklearn, BeautifulSoup,Groq, pygame.
- Built a JARVIS-style AI Assistant integrating 5+ ML-driven modules: Whisper (speech-to-text), TTS, image generation, GPT-based NLP, and real-time data processing—enhancing multimodal user interaction.
- Automated 10+ tasks using Selenium and voice commands, reducing manual effort by 80% and showcasing practical deployment of OpenAI and speech recognition models.

STOCK PRICE PREDICTOR 03/2025
- Tools: Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, TensorFlow/Keras, Joblib.
- Developed a stock price prediction system using Apple's historical stock data (5+ years), leveraging LSTM for long-term trend analysis and Random Forest for short-term pattern detection.
- Pre-processed and scaled time series data to enhance forecasting accuracy; reached ~20% lower MSE compared to baseline models.
- Visualized actual vs. predicted prices using interactive plots to evaluate model performance and trend alignment.