



PIYUSH LAVJIBHAI TANK

Date of birth: 19/03/2003 | **Place of birth:** Vadviyala, Gujarat, India | **Nationality:** Indian |
Gender: Male | **Phone number:** (+49) 15510042406 (Mobile) | **Email address:**
piyushtank2026@gmail.com | **GitHub:** <https://github.com/diomr9411-svg> |
Address: Lüttfeld 15a, Apartment 238, Lemgo, Germany, 32657, Lemgo,
Germany (Home)

● PROFILE

Profile

M.Sc. Information Technology student at Technische Hochschule Ostwestfalen-Lippe (TH OWL) with practical experience in software development, backend engineering, data analytics and machine learning. Experienced with Python, Django/Flask, FastAPI, PostgreSQL, React.js and data/ML tools, while continuously expanding practical skills in Java, JavaScript and Next.js through additional projects. Seeking a Werkstudent or part-time role in software engineering, full-stack development, backend, data analytics, data science, AI/ML or IT in Lemgo and OWL. Write here the description...

● EDUCATION AND TRAINING

01/09/2026 – CURRENT Lemgo, Germany
MASTER OF SCIENCE (M.SC.) IN INFORMATION TECHNOLOGY Technische Hochschule Ostwestfalen-Lippe (TH OWL)

Address Campusallee 12, , 32657 Lemgo, Germany, 32657, Lemgo, Germany | **Website** <https://www.th-owl.de>

15/06/2021 – 25/05/2025 Modasa, India
BACHELOR OF ENGINEERING Gujarat Technological University

- Advanced Modules: Artificial Intelligence, Machine Learning, Cloud Computing, Python for Data Science, Mathematics, Theory of Computation, Advanced Java Programming, Software Engineering, Database Management Systems, Analysis and Design of Algorithm, Data Structure, Internet of Things

Address Government Engineering College, F8V2+94G, Shamlaji Rd, Modasa, Gajan, Gujarat, 383315, Modasa, India |

Website <https://www.gtu.ac.in/> | **Field of study** Computer Engineering, . | **Final grade** 8.15 CGPA | **Thesis** Stock Price Prediction

● WORK EXPERIENCE

SOFTWARE DEVELOPER – GUJARAT MOBILE – 01/01/2026 – 22/09/2026 – SURAT, INDIA

Email: info@gujaratmobile.com | **Website:** www.gujaratmobile.org

- **Architected and deployed custom multi-tenant ERP & CRM systems** featuring real-time state synchronization, multi-branch inventory tracking, and individual IMEI/serial-number validation algorithms.
- **Engineered scalable backend microservices and RESTful APIs** using Python (Django/Flask) and relational database models (PostgreSQL) to handle concurrent transactional workloads.
- **Integrated automated OCR document processing engines** to extract unstructured invoice data and automate CA-level credit note payload generation, reducing manual processing overhead.
- **Designed business intelligence (BI) analytics dashboards** to monitor live sales metrics, stock reconciliation, and branch operational performance.

DATA SCIENTIST (INTERNSHIP) – MAXGEN TECHNOLOGY PVT.LTD – 20/01/2025 – 14/11/2025 – AHMEDABAD, INDIA

Website: www.maxgentechology.com

- **Engineered end-to-end ETL data pipelines** using Python (Pandas, NumPy) to ingest, clean, normalize, and feature-engineer financial and stock market datasets.
- **Developed time-series predictive Machine Learning models** (Linear Regression, Random Forest, GRU) for trend forecasting and stock evaluation.

- **Constructed interactive exploratory data visualizations** using Matplotlib and Seaborn to communicate statistical distribution and model performance metrics.
- **Authored technical project documentation and benchmarks** validating time-series model accuracy and feature importance matrices.

DATA ANALYST (INTERNSHIP) – IBM SKILLSBUILD – 29/06/2024 – 12/07/2024

- Gained hands-on experience with Python, Pandas, and NumPy for data analysis.
- Learned fundamentals of Machine Learning and data-driven decision-making.
- Developed visualization and reporting skills using Power BI.

SKILLS

Programming & Core Languages

Python | C/C++ | SQL | Java | Java (computer programming) | Javascript (React.js) | Next Js | Dart

Data Science & Machine Learning

TensorFlow | Scikit-Learn | Pandas | Numpy | Matplotlib | Seaborn | Data Preprocessing | Data Visualization | Linear Regression | Random Forest | GRU

Software & Development Tools

Git/Github | Microsoft Visual Studio | Jupyter Notebook | Flask | Power BI | MS Office Suite (Word, Excel, PowerPoint)

Core Computer Science Concepts

Analysis of Algorithms | Data Structures | Operating Systems | Computer Networks | Database Management Systems | Object-Oriented Programming (OOP)

PROJECTS

20/01/2025 – 21/04/2025

Stock Price Prediction(Bachelor's Thesis)

- **Goal:** Designed and implemented a predictive model to forecast stock market prices using machine learning, aiming to achieve high accuracy and low error rates.
- **Technology Platform:** Python ecosystem with Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn, TensorFlow and Streamlit for dashboard development.
- **Algorithms / Models:** Linear Regression, Random Forest and GRU(Gated Recurrent Unit) for time-series forecasting.
- **Dataset:** Real-world stock price data sourced from Yahoo Finance (IDFCFIRSTB.NS).
- **Impact:** Developed an interactive Streamlit dashboard for real-time visualization, analysis, and interpretation of predicted stock trends, validating the reliability and robustness of the model architecture.
- **Technology:** Python, Pandas, Scikit-learn, TensorFlow, Numpy, Matplotlib, Seaborn.

Mobile Data Analytics Dashboard

Technology Platform

- Web-based application using React (frontend) and FastAPI (backend) with MongoDB database.

Algorithms / Methods

- Data preprocessing for uploaded CSV files
- Statistical data aggregation
- Authentication using JWT tokens
- Secure password hashing using bcrypt

Dataset

- User-uploaded CSV mobile usage datasets processed and stored in MongoDB.

Impact

- Helps organizations monitor mobile data usage, track history, and manage users through an interactive analytics dashboard.

Technologies Used

- Frontend: React.js, Tailwind CSS
- Backend: FastAPI (Python)
- Database: MongoDB
- Authentication: JWT, bcrypt
- Data Processing: Pandas
- API Communication: REST API

Link <https://github.com/diomr9411-svg/Mobile-Dashboard-ANLT-12>

CERTIFICATIONS

Fetch.AI (IIT Guwahati), 2024
AI Agent Hackathon

- Secured Finalist position in the AI Agent Hackathon by developing a proprietary stock price prediction agent using the Fetch.ai platform, demonstrating proficiency in decentralized agent programming.

Udemy, 2025
Python Programming

- Mastered advanced Python concepts, object-oriented programming (OOP), and efficient data handling techniques, which form the foundational backbone for complex system and AI projects.

Career Ninja, 2025
Data Science Certification

- Completed comprehensive training covering advanced statistical modeling, data wrangling, and Machine Learning techniques, applying them to practical, real-world data problems.

Udemy, 2025
Git & GitHub Bootcamp

- Proficient in collaborative software development by mastering version control (Git) and workflow management (branching, merging) using GitHub

Udemy, 2025
Flask Framework & Dart

- Gained proficiency in modern, object-oriented language syntax and principles (Dart), alongside foundational skills in micro-web framework design (Flask), covering backend routing, API creation, and database integration for comprehensive application development.

LANGUAGE SKILLS

Mother tongue(s): **GUJARATI**
Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	B2	B2	B2	B2
HINDI	C1	C1	C1	C1	C1
GERMAN	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **HOBBIES AND INTERESTS**

Travelling

Reading

Sports

Music