

Krusha Parikh

Ahmedabad, India
+91-97129-73218 krusha5582@gmail.com
LinkedIn GitHub Portfolio

PROFESSIONAL SUMMARY

Computer Engineering student with multidisciplinary experience across software engineering, data science, applied machine learning, and secure system development. Hands-on background in building web platforms, analytical pipelines, predictive models, and access-controlled systems. Strong interest in developing scalable, data-driven, and security-aware applications.

CORE TECHNICAL SKILLS

Programming & Scripting: Python, Java, JavaScript, C/C++, SQL, Bash
Data Science & ML: Pandas, NumPy, Scikit-learn, Statistical Analysis, Feature Engineering, Predictive Modeling, Multivariate Forecasting, NLP Basics, Model Evaluation
Web & Software Development: HTML5, CSS3, React, FastAPI, REST APIs, Backend Architecture, Responsive Design
Cybersecurity & Systems: Secure Coding, Authentication, Authorization, OWASP Awareness, Log Analysis, Network Fundamentals, Risk Assessment
Databases & Cloud: MySQL, PostgreSQL, MongoDB, Firebase, AWS, Microsoft Azure
Tools & Platforms: Git, GitHub, Docker (Basics), Postman, Power BI, Tableau, Jupyter

EDUCATION

Bachelor of Engineering in Computer Engineering Indus University — Focus: Data Science, Secure Systems, Software Engineering	2023 – 2026
Diploma in Computer Engineering Gujarat Technological University — CGPA: 9.37	2020 – 2023

SELECTED PROJECTS

AquaAI — Predictive Analytics for Data Center Water Optimization (Research Project)
Python, Pandas, Scikit-learn, Transformer-GRU, Multivariate Time-Series

- Processed and engineered 50,000+ multivariate sensor records using normalization, imputation, and noise reduction pipelines.
- Benchmarked regression techniques against Transformer-GRU architectures to analyze temporal dependency learning.
- Evaluated performance using MAE and RMSE metrics and strengthened long-horizon forecast stability.
- Framed analytical outputs around sustainability planning, operational efficiency, and decision support.

Smart Civic Management System — Secure Web Platform
Web Development, APIs, Databases, Access Control, System Architecture

- Built and structured backend modules supporting complaint tracking, service requests, and administrative dashboards.
- Implemented controlled data flows, role-based access logic, and API communication pipelines.
- Generated analytics-ready datasets and visualization workflows for operational monitoring.
- Reviewed system components for access risks, data exposure points, and reliability concerns.

AI Lead Generator — Automated Data Extraction and Analytics Platform
Python, FastAPI, Web Automation, Data Pipelines

- Engineered automation workflows to collect, validate, and structure large lead datasets from dynamic web sources.
- Standardized multiple data streams to improve data quality, redundancy control, and analytical usability.

- Deployed API services enabling dashboard integration and structured data delivery.

Conversational Chatbot for Institutions — NLP-Enabled Web System

Python, NLP, Web Integration, Secure Workflows

- Built an NLP-driven chatbot system supporting automated institutional interactions.
- Designed preprocessing pipelines including tokenization, vectorization, and intent classification.
- Strengthened service communication logic, validation handling, and system robustness.

INTERNSHIP & PRACTICAL EXPERIENCE

Web & Systems Intern — MaheshSuchit Immigration Pvt. Ltd.

2024 – 2025

- Contributed to production-level systems involving structured data workflows, backend logic, and automation features.
- Supported development of internal modules improving data pipelines, platform reliability, and reporting utilities.
- Participated in testing, debugging, and documentation of multi-component systems.

Data Analysis Intern — Comprehensive Up-Skilling Program, Indus University

2023

- Conducted exploratory data analysis on 6+ structured datasets using Python, Excel, and SQL.
- Cleaned and validated 10,000+ records to support reporting and dashboard pipelines.
- Produced analytical reports and visual dashboards for KPI tracking and insight communication.

LEADERSHIP & ACTIVITIES

Technical Head — Indus Student Activity Cell (Instincts 2025)

Directed technical teams, coordinated platform development, and supervised applied project execution.

Volunteer — Vibrant Gujarat Global Summit 2024

Supported technical operations, coordination workflows, and large-scale system handling.

CERTIFICATIONS & RECOGNITION

Internship Program in Comprehensive Up-Skilling (Data Analysis Track)

Technical Lead — Indus Student Activity Cell, Indus University

SSIRF 2022 — Student Start-Up Innovation & Research Festival

Vibrant Gujarat Global Summit 2024 — Certificate of Appreciation