KRUSHA PARIKH

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SUMMARY

I'm a final-year Computer Engineering student who enjoys solving real problems with clarity and purpose. My work revolves around data, cybersecurity, and machine learning, and I'm drawn to projects where logic and impact meet. I like building systems that make sense, stay secure, and add value to people who use them.

SKILLS

Category	Skills
Programming Languages	Python, Java, C, C++, Bash/Shell Scripting, Android (Java/Kotlin), R, Basic Arduino C, DartFlutter, Object-Oriented Programming (OOP), Data Structures & Algorithms, Functional Programming Basics
Web Technologies	HTML5, CSS, JavaScript, React, Tailwind CSS, Node.js, Express, WordPress, Squarespace, Wix
Backend & Databases	MySQL, PostgreSQL, MongoDB, Firebase, SQL, FastAPI, RESTful APIs
Embedded & IoT	Arduino Uno, Sensors
Data Science	Pandas, NumPy, Scikit-Learn, Data Cleaning & Pipelines, Feature Engineering, Data Analysis, Exploratory Data Analysis (EDA)
AI/ML	Supervised Learning, Unsupervised Learning, Model Evaluation, NLP Basics, ML, Classification & Regression Models, Model Deployment Basics, Prompt Engineering, NLP Basics
Automation	Playwright, Apify
Cloud Platforms	AWS Cloud, Microsoft Azure
Design & Visualization	Figma, Adobe XD, Prototype Design, Power BI, Matplotlib, Seaborn, Canva, Tableau, UI/UX Principles
Business & Analysis	Requirements Gathering, Process Modeling, Agile Methodologies, Reporting, Data Visualization, Excel, Google Analytics, SEO Basics, Documentation Writing (SRS, BRD)
Cybersecurity	OWASP, Secure Coding, VA/PT Basics, Digital Forensics Basics, Network Security Fundamentals, SIEM Basics, Log Analysis, Packet Analysis
Tools	CMD Scripting, Microsoft Office, VS Code, Git & GitHub, Postman, Android Studio, Jupyter Notebooks, Google Colab, Docker Basics, Linux Fundamentals
Communication & Leadership	Technical Writing, Public Speaking, Team Leadership, Project Management, Task & Time Management, Cross-Functional Collaboration

PROJECTS

Project Title	Description	Tools / Technologies
Conversational Chatbot for Institutes	Diploma Final Year Project & GTU Hackathon 2022 entry. Developed an NLP-based chatbot to handle 24/7 institutional queries. Built with Python NLP pipeline + feed-forward NN, integrated with HTML/CSS/JS frontend. Reduced manual workload and provided instant support.	Python, NLP
Smart Refrigerator (SSIP Ideation Competition)	Proposed IoT-enabled fridge with autonomous movement, voice commands, and usage alerts	GoogleScholar, Canva
MS Education Consultants Website	Responsive MERN-stack platform with Razorpay integration, SEO optimization, dashboards	MERN Stack
Online Exam Portal	Android MCQ exam system with Firebase login, storage, and real-time syncing.	Java, Firebase
AMC Smart Civic Management	Smart governance platform for municipal services (complaints, permits, payments, waste/water mgmt)	React Native/Flutter, Node.js, Python ML forecasting
Research Project – AquaAI: Water Efficiency in Data	Exploring Transformer-GRU predictive models for water optimization in cooling	Arduino, Sensors
Obstacle-Avoiding Robot	Autonomous robot using ultrasonic sensing for real-time obstacle detection.	Arduino, Sensors
AI Lead Generator	Automated web-scraping and analytics pipeline with dashboard visualization.	Apify, Playwright, FastAPI, Next.js

EDUCATION

B.E. in Computer Engineering   **2023 – 2026**
Indus University
- Focused on software engineering, data science, machine learning, and secure systems. Actively working toward a strong academic profile with a 9+ CGPA goal.

Diploma in Computer Engineering   **2020-2023**
Gujarat Technological University
CGPA: 9.37
- Built strong fundamentals in programming, algorithms, software design, and system development.

EXPERIENCE   Indus University • 2024 – 2025

Technical Head – iSAC (Instincts 2025)

- Led and supervised the technical team for Instincts 2025.
- Managed website updates, automations, and technical workflows.
- Coordinated developers, designers, and cybersecurity volunteers.

Web Development Intern   MaheshSuchit Immigration Pvt. Ltd. • 2024 - 2025

- Developed responsive UIs using React and Tailwind.
- Improved website performance and user experience.
- Collaborated with cross-functional teams to deliver features.

Volunteer – Vibrant Gujarat Global Summit 2024   G20 Summit • 2024

- Assisted in event coordination and logistics.
- Facilitated communication between teams and participants.
- Provided on-ground support during summit activities.

Intern – Comprehensive Up- Skilling - 2023   Indus University • 2023

- Data Analysis tools like Tableau, Power BI, Excel.
- Problem-Solving using Data-Driven approaches.
- Professional skills including Communication, Teamwork, and Time Management.

CERTIFICATES

- **Certificate of Appreciation for Internship Program on "Comprehensive Up- Skilling" - 2023**
- **Certificate of Appreciation for Outstanding Contribution as a Technical Lead of Indus Student Activity Cell**
- **Certificate of Appreciation for Active and Invaluable Support of work during Vibrant Gujarat Global Summit-2024: Gateway to the Future**
- **Certificate of Participation in Student Start-up Innovation and Research Festival (SSIRF-2022) under Student Start-up Innovative Policy**
- **Certificate of Participation in Regional Round of Azadi Ka Amrit Mahotsav Hackathon-2022 under Student Start-Up and Innovation Policy and Gujarat Knowledge Society**

RESEARCH PAPER

- **AquaAI**: Exploring Transformer-GRU predictive models for water optimization in cooling.