

Krut Rana

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CAREER OBJECTIVE

Driven and analytical individual seeking to leverage my expertise in **Python, AI and Machine Learning** as well as **Data Analytics** to solve complex problems and contribute to data-driven innovation. I also bring strong expertise in **UI/UX development** to create intuitive and effective user experiences.

INTERNSHIPS / EXPERIENCE

Panva Technology Solutions PVT. LTD.

AI and Machine Learning Intern

January, 2025 – Present

Vadodara, Gujarat

- **Key Skills:** Python, Machine Learning, RAG, NLP, LLM, NER
- **Description:** Developed AI-driven healthcare solutions using **Machine Learning, NLP, RAG (Retrieval-Augmented Generation)**, and **LLMs**. Built an AI/ML medical coding system extracting ICD-10 and CPT codes from patient SOAP notes through **Named Entity Recognition (NER)**, **Medical Entity Recognition (MER)**, vector stores, and advanced NLP. Contributed to medical claims analytics with **future prediction, trend analysis**, and **automation** of healthcare insights. Leveraged **Azure cloud services, Docker**, automated pipelines, **vector search databases**, scalable microservices, and **UI/UX** design concepts.

Cognifyz Technologies

UI / UX Development Intern

November, 2024 – December, 2024 (2 months)

Remote

- **Key Skills:** UI/UX Design, Figma, Application Development
- **Description:** Designed intuitive UI and prototypes using **Figma**, focusing on user-centric experiences and seamless functionality.

System Tron

Web Designer Intern

December, 2023 – January, 2024 (2 months)

Remote

- **Key Skills:** UI / UX Design, Figma, HTML, CSS, JavaScript
- **Description:** Designed and developed intuitive UI/UX prototypes using Figma, along with front-end implementation using **HTML, CSS**, and **JavaScript**.

IBM SkillsBuild Internship Program

Data Analyst Intern

June, 2024 – August, 2024 (2 months)

Remote

- **Key Skills:** Python, Data Preprocessing, Data Visualization, Model Training & Evaluation, Statistical Analysis
- **Description:** Engaged in a two months internship with IBM SkillsBuild Program as a Data Analyst Intern. Assists data analysts in collecting, cleaning, and organizing data. Conducts basic data analysis and supports the creation of reports and visualizations as well as data analysis techniques and tools.

- **Key Skills:** .NET Framework, ASP.NET MVC, HTML, CSS, JavaScript
- **Description:** Designed and developed Employee Management System, actively participated in agile development processes and gained practical experience in **ASP. NET MVC** concepts.

PROJECTS

Healthy Food Recommendation System using Data Science and Machine Learning

- **Key Skills:** *Python, Scikit-Learn, Unsupervised Learning*
- **Description:** The project aims to address the challenge of making informed dietary choices by developing a Healthy Food Recommendation System.

Resume Analyser with NLP on Streamlit

- **Key Skills:** *Python, Natural Language Processing (NLP), Streamlit*
- **Description:** It is an innovative tool designed to enhance the resume evaluation process through the application of Natural Language Processing (NLP) techniques.

SmartScribe: An AI/ML Chatbot for Document and Website Interaction

- **Key Skills:** *Python, Natural Language Processing (NLP), Streamlit, Ollama, Langchain,*
- **Description:** It is an innovative tool that interacts and communicate on documents and websites through the application of NLP and LangChain.

TECHNICAL SKILLS

AI & Machine Learning: Deep Learning, Natural Language Processing, Generative AI, Large Language Models (LLMs), Retrieval-Augmented Generation

Programming & Development: Python, Basics of LangChain, Pandas, NumPy, Matplotlib

Technologies and Frameworks: Git / GitHub, VS Code

Data Analytics: Data Preprocessing & Feature Engineering, Data Visualization (Matplotlib), Model Training & Evaluation, Statistical Analysis

Business Analytics

Database: SQL, MySQL, NoSQL

UI /UX Development: Figma, Wireframing, HTML, CSS

CERTIFICATIONS

NPTEL: Cloud Computing

Spoken Tutorial Project at IIT Bombay: Android App using Kotlin

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Computer Science & Engineering	GSFC University	6.5 (overall)	2021 – 2025
HSC Science - PCM	Gujarat Secondary and Higher Secondary Education Board (GSHSEB)	78.61%	2021
SSC	Gujarat Secondary Education Board (GSHSEB)	78.83%	2019

SOFT SKILLS

Problem solving and Decision making

Positive Attitude and Teamwork

Quick learner

Communication