

Parth Jain

Udaipur, Rajasthan, India

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Education

Mohanlal Sukhadia University

BACHELOR OF COMPUTER APPLICATION

Udaipur, Rajasthan

Jul. 2022 - Jun. 2025

- **CGPA: 7.94**, (securing **5th rank** in the entire college)
- Study Areas: **Data Structures & Algorithms, Database Management Systems, Operating Systems, Web Development, and Java.**

Vidhya Institute of Information Technology

DIPLOMA IN APP DEVELOPMENT

Udaipur, Rajasthan

Aug. 2021 - Jul. 2022

- Achieved **92.7%** in the diploma program, ranking among the top students
- Key areas of study: **C, C++, Java (Core), Data Structures & Algorithms, and Flutter..**

St. Paul's Senior Secondary School

HIGHER SECONDARY EDUCATION (CBSE)

Udaipur, Rajasthan

2020 - 2021

- Scored **74%** in the **CBSE** Board Examinations, demonstrating proficiency in core subjects.
- Key areas of study: Physics, Chemistry, **Mathematics**, and **Computer Science.**

Relevant Experience

Full-Stack Developer

ALPHALOOP IT

Udaipur, Rajasthan

Feb. 2024 - Nov. 2024

- Led a team of 6-8 developers to build web applications with **React.js, Next.js, and Python**, and integrated **AI/ML solutions**, contributing to a **98% increase in sales.**
- Managed relationships with over 15 key clients, ensuring clear communication and high satisfaction, resulting in **up to an 80% improvement** in client retention and successful project delivery.
- Handled **5+ simultaneous projects**, delivering each on time and within budget, improving operational efficiency by **75%** and directly driving company growth.

Artificial Intelligence Developer

G7 SMART LOGISTICS

Udaipur, India

Jul. 2021 - feb. 2022

- Managed a **Mobile App, Web App, and Back-end** systems used by **100K+ customers** for on-demand truck and trailer hiring..
- Led a team of **6 Software Engineers and UI/UX Designers** to develop core products for a **funded start-up.**
- Developed **AI/ML solutions** to extract critical data from **WhatsApp**, automating all manual processes and driving an **80% increase in sales.**

Skills

Technical Skills

- **Data Science:** Python, Pandas, PyPlot, Numpy, SciKit Learn, TensorFlow,
- **Software Development:** Java, C, C++, Web Development (React, JS, TS, Next), Git, Android (Flutter, Dart), Django, Flask
- **Database:** PostgreSQL, Supabase, SQLAlchemy, SQLite, MySQL
- **Data Analytics & Visualization:** Matplotlib, Seaborn, and Plotly (create actionable insights and reports).

Soft Skills

- **Communication:** Clear and concise communicator, both written and verbal.
- **Teamwork:** Collaborative team player focused on achieving shared goals.
- **Problem-Solving:** Analytical and effective in finding solutions under pressure.
- **Adaptability:** Quick to adjust to new challenges and environments.
- **Leadership:** Experienced in leading teams and driving projects to success.

Hobbies

- **Cooking:** Passionate about experimenting with new recipes and cooking techniques, especially interested in international cuisines.
- **Aviation:** Airplane enthusiast with a keen interest in aircraft mechanics and design, and a love for attending airshows and aviation events.
- **Gold Medalist in Weight Lifting:** Accomplished a gold medal at the state level in weight lifting, showcasing discipline, perseverance, and strength.
- **Camping & Hiking:** Enthusiastic about outdoor activities like camping and hiking, frequently exploring new trails and immersing in nature.

Projects

RC Floor Cleaning Robot

School Carnival Project

- Created an autonomous floor-cleaning robot using Arduino and various sensors to navigate and clean different surfaces effectively.
- Applied algorithms for navigation and obstacle avoidance to ensure efficient cleaning in various environments.
- Technologies used: Arduino, sensors (infrared), motor control, navigation algorithms.

Rental Market Forecasting for Informed Investments

Capstone Project

- Developed a data pipeline to scrape real estate listings and process supplementary datasets (crime, education, income, transport).
- Built predictive models (Regression, Random Forest, XGBoost) to identify key factors influencing rental prices and forecast growth trends.
- Conducted exploratory data analysis (EDA) using Python, Pandas, and Seaborn to uncover patterns in affordability and livability metrics.
- Presented findings and insights to non-technical clients, translating complex data into actionable insights for real estate investments.

Designing Strategic Taxi Distribution in NYC

Capstone Project

- Performed in-depth analysis of New York Taxi and Limousine data to maximise profitability for ride-share companies like Uber and Lyft.
- Designed a PySpark Machine Learning algorithm to predict zone-wise demand in NYC at particular times.
- Theorised an algorithm to generate optimal fleet movements to match demand and supply, especially during surge periods.

Dark and Surface Web Crawler

Hackathon Project

- Designed and enforced a web crawler to gather data from both the dark web and surface web for research purposes.
- Utilized web scraping libraries like BeautifulSoup and Scrapy to extract and store data effectively.
- Technologies used: Python, BeautifulSoup, Scrapy, data storage and management.

Portfolio Website

Personal Project

- Crafted a personal portfolio website using Next.js and styled with Tailwind CSS.
- Deployed the website with Vercel, showcasing personal projects and professional experience.
- Technologies used: Next.js, Tailwind CSS, Vercel.

Excel Data Viewer App

Personal Project

- Built an app where users can upload Excel sheets and view the data in customizable table formats.
- Implemented features for filtering, sorting, and exporting data to different formats.
- Technologies used: React, JavaScript, NextJS, Tailwind CSS.

Markinzy Marketing Website

Company Project

- Expanded a marketing platform, Markinzy, where users can access keyword research and SMM (Social Media Marketing) services.
- Built with a credit-based system, allowing users to purchase services and track their usage.
- Technologies used: React, Next.js, Prisma, Supabase, hosted at Markinzy.com.