Jainil Parikh

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● ABOUT ME

I am Jainil Parikh, a final year Bachelor of Computer Application (BCA) student at Navrachana University with outstanding academic performance. I have a strong passion for Data Science and Analytics, with a particular interest in leveraging data to drive strategic business decisions. My academic background is complemented by hands-on projects, internships, certifications, and extended abstract of research paper presented and published at IIT Bombay. Currently, I am also contributing to an AI-based neuroscience startup, where I am gaining experience at the intersection of machine learning and cognitive science. I am actively seeking internship and job opportunities in the fields of Business Analysis and Data Analysis to apply my skills in real-world environments and deepen my industry experience.

● EDUCATION AND TRAINING

01/07/2022 – 31/05/2025 Vadodara, Gujarat, India
BACHELOR OF COMPUTER APPLICATIONS Navrachana University

Python, Java, Web development, PHP, MySQL, Mobile App Development, Data Science, Cloud Computing, AR/VR, Operating systems, Software Engineering, 2D/3D Animation, Networking, Mathematics, Statistics and Probability, Object Oriented Programming, Object Oriented Analysis and Design, Software Testing, AI and ML, Advance Mathematics (Linear algebra, calculus, discrete mathematics), Data Structures and Algorithms, Software Testing, Database Management System

Website https://nuv.ac.in/ │**Field of study** Computer Science **Final grade** 9.27

01/06/2019 – 01/05/2021 Vadodara, Gujarat, India
HIGHER SECONDARY SCHOOL (SCIENCE STREAM) Shannen School

Final grade 89%

01/06/2017 – 01/03/2019 Vadodara, Gujarat, India
SECONDARY SCHOOL Shannen School

Final grade 92%

● SKILLS

Microsoft Office │ Python │ Java │ MySQL │ Web Development │ PHP │ Animation │ AR/VR │ AWS │ Data Science │ Object oriented programming │ Power BI │ Statistical Data Analysis │Data Cleaning │ Flutter │ Kotlin │ MongoDB │ Figma │ Problem Solving │ Team Leadership │ HTML │ JavaScript │ GitHub │ Data Structures and Algorithms │ Nonprofit Volunteering │ Interpersonal skills │ Research Methodologies entrepreneurship and innovation

CERTIFICATIONS

a. Google Data Analytics

b. Accenture (Digital Skills-Artificial Intelligence)

c. Databricks Generative AI

d. IBM (Python for Data Science, AI and Development)

e. Nvidia (AI Infrastructure and Operations Fundamentals)

PROJECTS

01/09/2024 – 01/10/2024
AR Interactive Dragon Experience

a. Developed an interactive AR dragon game using Unity and C#, allowing a dragon to fly in real-world space.

b. Created a multi-scene experience, including a starting scene with a volume slider and buttons for "Start" and "Trailer" options.

c. Designed the "Trailer" feature to play a dragon video, enhancing user immersion before starting the game.

d. Enabled real-world interaction by integrating the mobile camera, allowing players to fly the dragon using an on-screen joystick.

e. Added a back button for easy navigation, allowing users to quit the game and return to the main menu.

f. Incorporated audio effects to enrich the gaming experience and add realism to the AR environment.

g. Optimized the app for smooth user engagement with responsive controls and a well-organized UI.

01/08/2024 – 01/10/2024
VR Horror Room Game

a. Developed a VR horror game using Unity, utilizing high-quality horror room assets from the Unity store.

b. Designed interactive gameplay with three grabbable objects, adding depth to the player experience.

c. Integrated XR interaction and ray-grabbing scripts, allowing players to pick up and manipulate objects using intuitive controls.

d. Enabled full player movement through WASD keys, with additional hand controls: shift for left hand, spacebar for right hand, and G for grabbing and releasing objects.

e. Enhanced game atmosphere with a night skybox, realistic lighting, and shadows, creating an eerie and immersive environment.

f. Added audio elements to heighten the horror experience and provide a more engaging gameplay environment.

01/08/2024 – 01/09/2024
AI Interview Mocker Application

a. Developed an AI-driven interview preparation tool that personalizes interview questions based on user skills and experience.

b. Implemented Clerk for secure authentication, ensuring safe user access to the platform.

c. Built the frontend using ReactJS and NextJS, with a responsive and user-friendly interface designed with Tailwind CSS and UI Shadcn.

d. Utilized Gemini API to generate five interview questions tailored to the user's inputted credentials.

e. Enabled audio-based responses, allowing users to answer questions in real time with speech recognition functionality.

f. Integrated camera access for a realistic interview environment, enhancing the overall candidate experience.

g. Stored user details, questions, answers, feedback, and ratings in a NeonTech cloud-based PostgreSQL database, using Drizzle ORM for efficient data management.

h. Displayed interview feedback and ratings in the user interface, giving users insights into their performance.

i. Designed the backend with JavaScript and XML, seamlessly connecting frontend interactions with database operations.

01/04/2024 – 01/05/2024
Fitness Tracker Dashboard (Data Analytics)

a. Integrated Kaggle dataset into Power BI, performing data cleaning by removing null and duplicate values.

b. Performed data analysis on different metrics like Average heart rate, average steps, average calories, total exercise sessions.

c. Based on the performance metrics, overall health score was provided in form of donut chart.

d. Created dynamic health score line chart where data can be showed for either daily, monthly, yearly or quarterly terms based on the option
chosen.

e. Implemented interactive drop-down menu so that users can select the name of person for whom health data visualization needs to be done.

f. Implemented other features of Power BI to make intuitive visualizations.

01/10/2023 – 01/11/2023
User Management System

a. Developed user management system using HTML, CSS, PHP, and MySQL.

b. Created sign-up page for users to register by adding email and password and also provided secure data storage of their details.

c. Designed login page to authenticate users and provided functionality to change password through 'Forgot Password' option.

d. Implemented a user profile form where they can add, update, and delete their details, and also stored details can be displayed. The basic idea for this was done through CRUD Operations.

e. Integrated session management so that user can log out in between and this was done by start and destroy session options of PHP.

f. Utilized Bootstrap for responsiveness and also for user interface to be easily accessible.

g. The application was connected to the database with the use of XAMPP Server.

● WORK EXPERIENCE

01/05/2024 – 01/06/2024 Vadodara, Gujarat, India (one month internship)
SAP INTERN ONGC PETRO ADDITIONS LIMITED

a. Gained knowledge about ERP and its roles and functions to streamline business processes.

b. Gained foundational expertise in SAP HANA focusing on its database capabilities.

c. Developed basic proficiency in SAP ABAP for developing and customizing SAP applications.

d. Understood concepts of SAP MM module like inventory management, material valuation.
e. Learnt about financial accounting, budget allocation and cost management through SAP FICO module.

f. Used concepts of SAP PM module to track equipment and machinery and also for maintenance planning and execution.

g. Description of SAP HR module for employee related information including payrolls.

01/06/2024 – 01/07/2024 Tallinn, Estonia (one month internship)
DATA ANALYST INTERN (REMOTE INTERNSHIP) ZEEL IT SOLUTIONS OÜ

a. Conducted Exploratory Data Analysis using python libraries like NumPy, Pandas, Matplotlib, Seaborn.

b. Developed basic dashboard using Power BI and Tableau for data visualization.

c. Implemented SQL queries for data extraction.

d. Assisted in building basic predictive models using linear regression technique.

e. Performed basic statistical analysis to draw insights from data.

f. Reporting of analysis using Microsoft excel and also made documentation for the same using Microsoft Word.

01/01/2025 – 30/04/2025 Tallinn, Estonia
DATA SCIENCE AND ML INTERN (REMOTE INTERNSHIP) ZEEL IT SOLUTIONS OÜ

a. During my internship as a Data Science Intern, I built on my Data Analyst role by applying more advanced techniques such as machine learning algorithms, predictive modeling, and deep data exploration.
b. Built machine learning models (regression, classification, clustering) using Python and scikit-learn.
c. Improved model performance through hyperparameter tuning and cross-validation techniques.
d. Created predictive models to forecast trends and automate reporting processes.
e. Collaborated with cross-functional teams to integrate machine learning solutions into business operations.
f. Automated repetitive tasks and data extraction processes using Python and SQL.
g. Documented the reports of the analysis and predictions.

01/10/2024 – Present Vadodara, Gujarat, India
ARTIFICIAL INTELLIGENCE STARTUP - Cognitive ML & Neuroscience NAVRACHANA UNIVERSITY

a. I'm developing AI models that help us understand how the human brain works, focusing on cognitive machine learning.

b. I'm diving into neuroscience to explore how the brain processes thoughts, emotions, and decision-making.

c. I'm using eye tracking to better understand where people focus their attention and how it relates to their behavior.

d. I'm applying face recognition technology to analyze emotions and brain activity, helping us learn more about how humans respond to different stimuli.

e. I'm working on neuroscience-driven marketing strategies (neuro-marketing) to help businesses connect with consumers more effectively.

f. Using EEG headsets, I'm measuring brain activity and using that data to train smarter AI models.

g. My goal is to build cognitive AI systems that can better understand and predict human behaviour, making technology more intuitive.

PUBLICATIONS

2024

Role of Attention Computing in Industry 5.0: Opportunities and Challenges

Role of Attention Computing in Industry 5.0: Opportunities and Challenges is an extended abstract (covering AI, Deep Learning, Computer Vision, Generative AI) published in the journal of IIT Bombay during International Conference on Emerging Trends in Business Analytics and Management Sciences. The given above URL is of whole journal in which my publication is number 19th in index table.

Authors: Dhaval Mehta, Jainil Parikh, Rishi Parikh, Ashish Jani | **Journal Name**: International Conference on Emerging Trends in Business Analytics and Management Sciences | **Publisher**: Open Books Publisher

VOLUNTEERING

01/01/2023 – CURRENT Vadodara, Gujarat, India
Volunteer in Sustainable development and Environmental Awareness (All In Development NGO)

a. Played an active role in organizing impactful events like Greenathon, a walk dedicated to promoting a cleaner and greener Vadodara, and Plantathon, encouraging tree plantation and environmental sustainability.

b. Supported meaningful initiatives aimed at raising awareness about Sustainable Development and protecting the environment.

c. Honed my leadership skills by coordinating activities, guiding the team, and ensuring the success of various programs.

d. Collaborated with a passionate team, solving challenges together while staying focused on creating a positive impact for a healthier environment.

HOBBIES AND INTERESTS

Table Tennis

(Played in state level tournaments and achieved several medals, trophies and certificates).

LANGUAGE SKILLS

Mother tongue(s):   **GUJARATI**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
HINDI	C2	C2	C2	C2	C2
ENGLISH	C2	C2	C2	C2	C2

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