Ziyad Jafarulla Parkar

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Education

Pune Institute of Computer Technology, Pune December 2021 – July 2025

Bachelor of Engineering in Information Technology *CGPA: 8.04/10*

Birla Public School, Doha-Qatar March 2020 – July 2021

HSC Science Percentage: 89%

Birla Public School, Doha-Qatar March 2018 – July 2019

SSC Science Percentage: 89%

Projects

Daily News Website | *HTML, CSS, JS, Git* | Code Link March 2023 – May 2023

- Developed a dynamic website dedicated to delivering up-to-date news content.
- Collaborated with university faculty and stakeholders to gather requirements and plan process.
- Built the application with HTML, CSS and JS as the frontend and News Aggregator, Weather APIs.
- Implemented a responsive design to ensure optimal user experience across various devices and screen sizes.

Autism Prediction System | Python | Code Link November 2023

- Curriculum-based project - predictive model to identify autism spectrum disorder (ASD) using machine learning algorithms.
- The research focused on developing a system that analyses data to predict the likelihood of autism based on specific features.
- Pre-processed data, conducted EDA, implemented, and compared multiple ML algorithms, visualized results, and evaluated model performance with accuracy, precision, recall, and F1-score for robust predictions.

Online Student Submission Ticket Manager | *M.E.A.N* | Code Link December 2023 – April 2024

- Transformed the traditional physical submission ticket system at PICT college into an efficient, paperless online platform.
- Implemented features for students to track the submission status of assignments, including subject details, marks, and completion status.
- Enabled teachers to mark submissions as complete or incomplete, ensuring comprehensive tracking and verification of student submissions.
- Developed a clean, intuitive interface that facilitates easy navigation for both students and teachers.
- Worked closely with college staff and stakeholders to gather requirements, plan the project, and ensure the final product met the needs of all users.

Research Papers

Player Performance Analysis using Machine Learning in Football December 2023

- Gathering comprehensive player data, including positional information, player movements, and match statistics, to create a robust dataset for analysis.
- Exploring and implementing various machine learning algorithms such as regression, clustering, and classification to uncover patterns and trends in player performance.
- Developing predictive models to forecast player performance based on historical data, contributing to strategic decision-making for coaches and team management.
- Investigating the potential of machine learning in predicting and preventing player injuries by analysing movement patterns, workload, and fatigue levels.

Technical Skills

Languages: Python, C/C++, SQL , JavaScript, HTML/CSS
Frameworks: React, Angular, Node.js, Express
Developer Tools: Git, Docker, VS Code, Visual Studio