

Tanay Chhajer

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Education

Indian Institute of Technology, Patna <i>B.Tech in Artificial Intelligence and Data Science</i>	2022-26 CPI: 8.53/10
MDS Senior Secondary School, Udaipur <i>Class 12: Central Board of Secondary Education</i>	Percentage: 97.4
MDS Senior Secondary School, Udaipur <i>Class 10: Central Board of Secondary Education</i>	Percentage: 94.8

Projects

Faculty Recruitment Web page <i>HTML, CSS, MySQL, PHP, JavaScript, TCPDF, Docker</i>	SOURCE CODE
<ul style="list-style-type: none">Developed a Faculty Recruitment Portal with a PHP and MySQL backend, managed through phpMyAdmin, and a frontend utilizing HTML, CSS, and JavaScript, supporting up to 500 concurrent users.Containerized the application using Docker for scalable deployment and consistent environment management, reducing deployment time by 40%.Integrated secure authentication mechanisms and role-based access control to ensure data privacy and integrity, enhancing security by 50%.	
TicTacToe-Using Alpha-beta Pruning AI Algorithm <i>Python</i>	SOURCE CODE
<ul style="list-style-type: none">Engineered a Python-based Tic-Tac-Toe game with an AI opponent using the Minimax algorithm and Alpha-Beta pruning for optimal moves, reducing computation time by 20%.Formulated game logic for checking game status, including winning conditions and available moves, enhancing the user experience with an interactive command-line interface, achieving a Win/Draw rate of 100% over 500 games.	
ExcessM App - Expense Management App <i>HTML, CSS, JavaScript, Firebase</i>	SOURCE CODE
<ul style="list-style-type: none">Designed an intuitive expense management dashboard using HTML, CSS, and JavaScript, streamlining centralized expense tracking and management.Leveraged Firebase for real-time data synchronization and secure user authentication, achieving a 30% reduction in loading times through optimized data fetching and caching strategies.	

Technical Skills

- **Languages:** C/C++, Python, SQL, HTML, CSS, JavaScript(React, Next.js), PHP, MySQL, Latex, Kotlin, MIPS Assembly Language
- **Tools & Libraries:** Microsoft Office, Linux, GitHub, VS Code, Google Collab, Android Studio, VirtualBox, TCPDF, Docker, Google Cloud Platform, RESTful APIs, SOAP, Node.js, Hibernate
- **Courses:** Programming and Data Structures, Probability and Random Processes, Statistics, Linear Algebra for Data Science, Computer Architecture, Database and Management Systems, Theory of Computation, Artificial Intelligence-1, Machine Learning and Data Science

Achievements

- **Smart India Hackathon'23 Finalist** - *Hackathon by Government of India*
Conceptualized DERMIS, a mobile app integrating machine learning for diagnosing dermatological conditions.
- **JEE Mains & Advanced-2022**
Scored **99.6** percentile with CRL **3581** in JEE Mains and secured AIR **3364** in JEE Advance.
- **Codeforces**
Pupil with current rating of **1209** (USER ID: Exynos21).
- **Ranked 786 among 26,000+ participants**
in Starters 137 Contest on Codechef.
- **UGEE-IIIT Hyderabad**
Secured AIR **92** after clearing the Interview (Final) Round.
- **National/Regional round of International Quant Championship 2024**
Secured a rank of **661** out of **34,000+** teams globally.

Position of Responsibility

- **Overall-Coordinator, E-Cell, IIT Patna (promoted from MPR-subcoord)**
Supervised all the activities for the entrepreneurship cell of IIT Patna.
- **Sub-Coordinator, Sponsorship & Marketing Committee, Celesta, IIT Patna**
Coordinated sponsorship and marketing activities for Celesta, the techno-management fest of IIT Patna, securing partnerships with key sponsors to support the event's success.