Dhyana Patel

dhyanapatel6466@gmail.com | 636-409-4570 | www.dhyanachess.com

PROFILE

Innovative data science and computer science student and international chess champion with expertise in strategic decision-making, data-driven insights, and adaptive learning techniques. Proficient in leveraging analytical tools and creative problem-solving to drive meaningful outcomes in dynamic environments. Adept at fostering inclusivity and excellence in team settings.

EDUCATION

Saint Louis University

Bachelor of Science in Data Science and Computer Science | May 2026

WORK EXPERIENCE

Intern, Aries HVAC Private Limited | March 2023 – August 2023

- Streamlined operational efficiency by accurately managing data entry for attendance, courier tracking, and AC movements.
- Ensured precision in inward and outward logistics, reducing errors by 20%.
- Developed a structured documentation process to optimize resource management.

Chess Tutor | January 2022 – Ongoing

- Empowered 15 visually impaired students by tailoring chess instruction to enhance cognitive and strategic thinking skills.
- Introduced innovative teaching techniques to promote inclusivity and accessibility in chess education.
- Increased student performance by 50%, as reflected in local tournament results.

LEADERSHIP EXPERIENCE

Leader, SGFI (School Games Federation of India) Chess Team | 2018 - 2023

- Spearheaded the SGFI chess team, achieving 2 silver and 1 gold medal over three years.
- Fostered team confidence and mentored members to master advanced chess strategies.
- Created an engaging team culture, resulting in a 30% improvement in team performance.

TOP ACHIEVEMENTS

- Gold Medalist – World Schools Chess Championship
- 1st Place in all categories at the State Level
- Silver Medalist – Asian Schools Chess Championship
- Bronze Medalist – Commonwealth Chess Championship

RESEARCH

Research Assistant, Saint Louis University | September 2024 – Present

- Working under the direction of Professor Haijun Gong, with an emphasis on employing a unique cybernetic-inspired approach to describe transcriptional regulation of the cell cycle.
- Utilizing machine learning, R, and Python to analyze big datasets and extract useful information.
- Working together with a group of researchers to publish research results in peer-reviewed publications.

SKILLS

Languages: Fluent in English, Hindi, and Gujarati

Technical Skills: Proficient in MS Office, Python, Java, C++, R, and ChessBase software

Specialized Tools: Skilled in utilizing chess engines for strategic analysis.