Deep Shah

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Education

Purdue University, Fort Wayne   **May 2025**
  Master of Science in Computer Science
  GPA - 4.0/4.0

Dharmsinh Desai University, Nadiad   **May 2023**
  Bachelor of Technology in Information Technology
  CGPA – 8.38/10

Technical Skills

Expertise Area
- Competitive Programming, Data Structures and Algorithms

Programming Languages and Technologies
- C / C++, Java, Python, Django, ASP.NET, SQL, Hibernate ORM, HTML, CSS, Git, C++ Standard Template Library, Java Collection framework

Technical Courses
- Data Structures and Algorithms, Analysis and Design of Algorithms, Operating Systems, Database Management Systems, Object Oriented Programming, Software Engineering, Data Mining, Artificial Intelligence

Achievements

- CodeChef : Highest Rating – 2096(**5 star**) | **Top 1.1%** in Global Ranking.
- LeetCode : Highest Rating – 1964 | **Top 3.23%** in Global Ranking.
- CodeForces : Highest Rating – 1591(**Specialist**) | **Top 9%** in Global Ranking.
- Solved more than **1700** data structures and algorithmic problems
- Secured **Global Rank 97** in June Lunchtime 2022 Division 2 (**top 4%**)
- Secured **Global Rank 154** in Codechef Starters 25 (**top 3%**)
- Secured **Global Rank 766** in LeetCode Biweekly Contest 100 (**top 3%**)
- Secured **Global Rank 843** in LeetCode Weekly Contest 277 (**top 7%**)
- Secured **Global Rank 1204** in Google Kickstart round A (**top 10%**) Certificate

Projects

Time Series Forecasting Github
- Developed a **Machine Learning** model to predict stock price using **Neural Networks**, LSTM and ARIMA.
- Implemented **Wavelet Transform** to smoothen time series and Lyapunov exponent to find number of time steps using **Python**.

SuperChessEngine Github
- Developed Universal Chess Interface(**UCI**) and **Static Board Evaluator** in **C++**. Implemented optimization techniques such as iterative deepening, history heuristics, hash moves, killer moves, and transposition table.
- Followed Software Engineering concepts and made use cases and class diagrams before writing any code.

AlphaCrew Medisure Github
- Built a healthcare platform in hackathon Frosthack by **IIT Mandi**.
- Implemented api fetch with the help of **Django** templating engine and included mapbox functionality.

Positions of Responsibility

Club President - CodeChef DDU Chapter, Competitive Programming club of DDU
- Headed the club of 6 people by planning, preparing and organizing various intra-college competitions.
- Conducted online sessions relevant to competitive programming concepts along with that organized coding contest on **hackerrank** and **codechef** to promote coding culture at college.
- Organized the post contest editorial session explaining the solutions to every problem.