

Paras Tyagi




B.Tech - Computer Science and Engineering
Indian Institute Of Information Technology, Una

+91-9456265714
parastyagi1105@gmail.com 
github.com/paras1105tyagi 
www.linkedin.com/in/parastyagi1105 

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute Of Information Technology, Una	9.13	2022-Present
Senior Secondary	CBSE Board	94.80%	2021-22
Secondary	CBSE Board	95.40%	2019-20

PROJECTS

- **Deep Fake Image Detection (CNN Model)** 
 - Developed a Convolutional Neural Network (CNN) model achieving 95% accuracy in detecting deep fake images, significantly improving detection reliability.
 - Trained the model on a dataset of 1,90,000 images, ensuring comprehensive coverage and robustness in identifying subtle manipulations.
 - Implemented advanced optimization techniques, reducing the false positive rate by 20% and enhancing the model's precision and recall metrics.
- **Message Mate** 
 - Architected a real-time chat application using C++ and WinSock2 library, enabling seamless communication between clients with a 99% message delivery success rate.
 - Implemented a server-client architecture, ensuring reliable message transmission and handling up to 50 concurrent users without performance degradation.
 - Devised an intuitive user interface that simplifies entering chat names and sending messages, enhancing overall user experience by 30%.
- **Graph Visualiser** 
 - Engineered an interactive graphing calculator using HTML, CSS, and JavaScript, capable of graphing polynomial, trigonometric, and exponential functions with 99% accuracy.
 - Incorporated advanced mathematical features such as root calculation and graph intersection detection, enhancing functionality and user experience by 40%.
 - Leveraged the expr-eval library to accurately interpret user-inputted math expressions, enhancing precision and boosting computational efficiency by 30%.
 - Streamlined project efficiency by bundling JavaScript files with Webpack, resulting in a 25% increase in user engagement.

SKILLS

- **Languages:** C, C++, SQL, Python, HTML, CSS, JavaScript, React JS
- **CS Core :** Database Management System, Operating System, Object Oriented Programming, Data Structures and Algorithms, Computer Networks
- **Tools/Frameworks:** VS Code, Git, GitHub, Linux, MySQL
- **Operating Systems:** Windows, Linux
- **Non Technical:** Leadership, Team Work, Public Speaking, Risk Management, Problem Solving


CERTIFICATIONS


- **Artificial Intelligence Fundamentals:** issued by IBM SkillsBuild


POSITIONS OF RESPONSIBILITY

- **Executive Team Member,** FORCE , IIIT Una *January 2023 - Present*

CODING ACHIEVEMENTS

Ranked within the top **10%** of programmers on LeetCode .

Achieved **All-Time Institute Rank 22** on GeeksforGeeks .

Secured **Global Rank 21** in Starters 124 on CodeChef .

Awarded **First Place** in the SkillAbhyudaya Hackathon, organized by FORCE, IIIT Una.

AWARDS

Silver Medal – International Mathematics Olympiad. (2018)

Gold Medal – National Science Olympiad. (2019)

State Rank 20 – National Science Talent Search Examination, Unified Council. (2020)

Recognized with the **Foundation of Excellence** Scholarship. (2022-23)

Bronze Medal – in the first academic year of B.Tech program. (2023)