

PREMCHAND SHARMA

Creative and detail-oriented Computer Science student with a strong foundation in problem-solving, C++, OOPS, Machine Learning, and MySQL. Passionate about continuous learning and delivering high-quality software solutions.

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Education

Chandigarh University

Bachelor of Engineering in Computer Science (AIML Specialization) — CGPA: 7.36

2022 – Present

Mohali, Punjab

Narayana Jr College

Class XII (TSBIE) — 97.3%

2021 – 2022

Hyderabad, Telangana

Newton High School

Class X (TS SSC) — 10 CGPA

2019 – 2020

Hyderabad, Telangana

Projects

Neural Visions: AI Art | *Python, TensorFlow, PyTorch, Keras, GANs, CNNs*

Jan 2024

- Developed Generative Adversarial Networks (GANs) to generate innovative artwork replicating various artistic styles.
- Refined hyperparameters and evaluated model performance to explore AI's potential in creativity.

House Price Prediction | *Python, Scikit-Learn, Pandas, NumPy, Matplotlib*

June 2024

- Built a predictive model using regression techniques to estimate property prices.
- Implemented data preprocessing, feature selection, and hyperparameter tuning for better accuracy.

Smart Helmet | *Arduino IDE, Sensors*

April 2023

- Integrated alcohol detection and helmet-wearing sensors to prevent ignition if the rider is intoxicated or helmetless.
- Implemented IoT-based emergency alerts to enhance rider safety.

Technical Skills

Programming Languages: C/C++ (Proficient in DSA), Python, MySQL, HTML, CSS, JavaScript

Developer Tools: VS Code, Jupyter Notebook, PyCharm

Technologies/Frameworks: TensorFlow, PyTorch, Keras, Artificial Intelligence, MS Excel, MS PowerPoint

Operating Systems: Windows, Linux, iOS

Interpersonal Skills: Communication, Problem-Solving, Time Management

Certifications

- Microsoft Azure AI Fundamentals|Microsoft| 🔗
- Python For Everybody|Coursera| 🔗
- NDG Linux Essentials|Cisco Academy| 🔗
- NDG Linux Unhatched|Cisco Academy| 🔗

Achievements Activities

- Top 5 in Codeforces coding event at Chandigarh university,Punjab
- Ranked in the top 10 out of 500 teams for creating a Smart Helmet solution in great India hackathon
- Competed with 350 teams and qualified for the second round, advancing among the top 150 teams in vihaan 2.0 conducted by IEEE
- 1st prize in Bhangra competition by TRSMA, Hyderabad