Chakshu Gautam

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EDUCATION

•**Thapar Institute of Engineering and Technology, Patiala**   *2020-Present*
Bachelor of Engineering in Electrical and Computer Engineering   CGPA: 7.50

•**Ryan International School, Ludhiana - GRADE XII**   *2020*
Central Board of Secondary Education(C.B.S.E)   Percentage: 70.6

•**Ryan International School, Ludhiana - GRADE X**   *2018*
Central Board of Secondary Education(C.B.S.E)   Percentage: 79.5

PERSONAL PROJECTS

•**Personal Portfolio Website**
Designed and developed a fully responsive portfolio website showcasing my skills, projects, and accomplishments.

 – Ensured compatibility with different browsers and devices
 – A dedicated section to exhibit personal projects, providing images
 – Technology Used: HTML5, CSS3, Javascript.

•**Weather App with OpenWeatherMap API Integration**
A dynamic app to retrieve and display real-time weather data from the OpenWeatherMap API based on user-input city names.

 – Allows user to search a city and displays city name, temperature, humidity and wind speed
 – Utilized JavaScript's asynchronous nature to fetch and update weather data without the need for page refresh
 – Technology Used: HTML5, CSS3, Javascript

•**CAPSTONE : Data Driven Control of Servo Motor (Currently Working)**
Designing a controller which meets industrial world high precision and accuracy requirements using Reinforcement Learning.

 – Performed a virtual simulation using our code on the respective virtual system (QUBE Servo Motor)
 – Technology using : AI/ML, MATLAB , SIMULINK
   Link to Video

•**Amazon Clone**
Replicated the landing page of the famous e-commerce website, Amazon

 – Successfully recreated the core layout of Amazon's homepage, including header, navigation, product grid, and footer sections
 – Used CSS to replicate Amazon's color scheme, typography, and visual components, maintaining a familiar and recognizable user experience
 – Technology Used: HTML5, CSS3

TECHNICAL SKILLS AND INTERESTS

Languages:
• C/C++
• HTML
• CSS
• Javascript
Libraries :
•C++ STL
Familiar with: :
• Python
• Java
Web Dev Tools: Virtual Studio Code(VS code), Github
Frameworks: ReactJs
Cloud/Databases:MongoDb, Relational Database(mySql)
Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering, Design and Analysis of Algorithms, Cyber Security, Computer Networks
Areas of Interest: Web Design and Development
Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability