

Anushka Purohit

Lower nehru gram, gharwali colony, Dehradun, Uttarakhand

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EDUCATION

Graphic Era Hill University

B.Tech in Computer Science and Technology (Cgpa 7)

The Indian Academy School

Intermediate (Carry of 79.8%)

The Indian Academy School

High School (Carry of 80.4%)

2021–Present

Dehradun, Uttarakhand

2021

Dehradun, Uttarakhand

2019

Dehradun, Uttarakhand

RESEARCH PAPER

Home Energy Management System

February 2024 – May 2024

Graphic Era Hill University, Dehradun under Prof. Vikrant Sharma, Mr. Satvik Vats

- Researched an IoT-based Home Energy Management System (HEMS) to optimize residential temperature control, enhancing energy efficiency and reducing electricity costs by utilizing exhaust fans for natural ventilation.

Work History

Freelancing-Project Intern

1ST May 2023-1ST July 2023 Work from Home

- Developed an e-commerce website for Shamaim Company using Redux Toolkit for frontend development and integrated community APIs.
- Enhanced user experience with intuitive product categorization, dynamic page redirects, and refined browsing. Implemented features such as color and size filters, price filters, authentication, guest checkout, 'Add to Cart,' and 'Add to Wishlist.' Designed and developed eight key pages for a seamless and functional user journey

Opto Electronics Factory(OLF)

22July2024-21 August2024

- Gained experience in cybersecurity protocols and dataset management.
- Developed projects to enhance data security and optimize system defenses.
- Implemented strategies to protect sensitive information and mitigate vulnerabilities. [CERTIFICATE](#)

ACADEMIC PROJECTS

Gesture-Based Hill Climb Racing| python|

- It is a gesture-based control system using OpenCV and MediaPipe for a hill climbing racing game, where hand movements—opening the palm for steering and closing it for braking—enhance the gaming experience with intuitive, real-time interaction. [DEMO](#)

Shopping Application |react: html, css, javascript | [G](#)

- It is a full-featured e-commerce platform using ReactJS and Redux, incorporating a product catalog, shopping cart, and secure payment system, while designing responsive front-end pages to enhance user experience and implementing Redux for efficient state management and data flow.

Login Register Application | Java | [G](#)

- I developed a secure Android application for login and registration using Java, implementing robust authentication mechanisms to protect user data, while conducting usability tests and gathering feedback to continuously improve the user interface and functionality.

TECHNICAL SKILLS

- Programming languages: C, C++, Java, Python, HTML/CSS, JavaScript, swift, Objective c
- Library/Frameworks: ReactJS, Node js
- Developer Tools: Visual Studio, Jupyter Notebook, Android Studio, Git
- Database management: MYSQL, Mongo dB
- Familiarity with Unix/Linux and Windows environments.

COURSE WORK: Data Structures, Web Development, Machine Learning, DBMS, Operating Systems, Computer networks

STRENGTHS

Team Collaboration, Flexible, Positive thinker, Creative, time management

ACHIEVEMENTS and ACTIVITIES

- Awarded a certificate for presenting a research paper on "Home Energy Management System" at ICECCC 2024, hosted by CMR Institute of Technology, Bengaluru, contributing to advancements in sustainable energy solutions. [link](#)
- Solved 300+ DSA problems, ranking in the top 10% of coding contests, demonstrating strong problem-solving skills and technical proficiency.
- My team achieved the position of first runners-up in the Web Development competition. [link](#)