Dyuti Dutta

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EDUCATION

- **University Institute of Engineering and Technology, Panjab University, Chandigarh** — *2023-2027*
  BE Computer Science and Engineering — CGPA: 9.42
- **Government Model Senior Secondary School, Manimajra, Chandigarh** — *2021-2023*
  Central Board of Secondary Education, Chandigarh — Percentage: 95
- **St. Kabir Public School, Sector 26, Chandigarh** — *2008-2021*
  Central Board of Secondary Education, Chandigarh — Percentage: 97.2

EXPERIENCE

- **Housing Board Haryana** — *July 2024*
  Intern — Panchkula
  - Accomplished 4-week summer training in the .NET framework with a focus on database management and web application development.
  - Refined skills in designing and managing relational databases, optimizing queries, and enhancing query execution speed by 15%.
  - Implemented core functionalities like user authentication, data validation, and CRUD operations, with successful execution in 95% of test scenarios.
  - Enhanced ability to evaluate situations and develop solutions by working through 4 theoretical case studies and 2 real-world scenarios during the training.

PERSONAL PROJECTS

- **Hospital Management System** — *June 2024*
  Prof. Lokesh Miglani, UIET, Panjab University
  - Tools & technologies used: HTML, CSS, JavaScript.
  - Simulated patient registration, login, and appointment scheduling workflows, processing up to 50 test cases.
  - Engineered a responsive UI for cross-device compatibility, reducing layout issues by 30%.
  - Integrated JavaScript for form validation, improving user interaction efficiency by 25%.
  - Built and tested core modules, completing over 20 successful test iterations.
  - Collected feedback during 3 demonstrations to refine functionality and user experience.

- **Online Shopping Management System** — *February 2024*
  Dr. Mamta Juneja, UIET, Panjab University
  - Tools & technologies used: C++, STL, OOP, File Handling.
  - Simulated e-commerce platform with product browsing, order placement, and payment processing.
  - Designed modular architecture using OOP, improving code reusability by 30%.
  - Developed modules for user authentication, product catalog, and order processing, achieving 95% functionality in 50+ test cases.
  - Created cart management features for adding, removing, and updating items, tested with 20+ simulated transactions.
  - Devised an efficient file handling for persistent storage of admin data.

TECHNICAL SKILLS AND INTERESTS

Technical Skills: C,C++,HTML,CSS,JavaScript,DSA,Python
Soft Skills: Communication, Teamwork, Solving problems with logical approach, Adjusting to new situations with ease, Leadership, Effective Time Organization
Field of Interest: Data Analysis, Web Development, Artificial Intelligence, AR and VR

POSITIONS OF RESPONSIBILITY

- **UIET Sports Committee Member** — *2024-25*
  Coordinated intra-college sports events to boost participation, foster teamwork, sportsmanship, and leadership.
- **Media & Publicity Member, UIET MUN 8.0** — *April 2024*
  Directed promotions and PR for a 2-day conference, attracting 200+ participants and boosting online reach.
- **Rotaract Club Chandigarh Shivalik Member** — *2023-24*
  Contributed 40+ volunteer hours to healthcare and environmental initiatives in underserved communities.

ACHIEVEMENTS

- **GirlScript Summer of Code** Recognized as an open-source contributor for GSSoC'24 — *2024*
- **Gold Medalist, Inter College Chess Tournament** Scholarship - Rs. 60,000 & cash prize - Rs. 10,000 — *2023*
- **National Level Chess Player** U-14 64th & U-17 65th National School Games — *2018, 2019*