

HITESH DUREJA

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[Git-Hub](#), [Linkedin](#), [HackerRank](#)

EDUCATION			
B.TECH(Engineering Physics)	2020 - 2024	Delhi Technological University, New Delhi	8.71 CGPA
CBSE (Class XII)	2020	Manav Sthali School	91 %
CBSE (Class X)	2018	Manav Sthali School	90.02 %

ACADEMIC PROJECT

Interactify — *Backend Website* | [Link](#) | Python(Django)

- Interactify is a social media platform to post, and chat with your friends
- Real-time chatting is done using WebSockets
- MYSQL Server is used to store information
- AWS is used for deployment
- Technical Skills: Python(Django), JavaScript, MySQL, AWS

Dash Tech — *Django Website* | [Link](#) | Python(Django), HTML, CSS

- An online marketplace for buying and selling data cables
- The front page displays the newest items and the categories of data cable available
- Items can be searched by adding keywords and categories
- Features of authentication, communication between users is added
- Images of the product are added along with items for better customer experiences.
- The dashboard shows all the items added by the seller. The seller can edit or delete these items from the dashboard

Airline Reservation System — *C++ Project* | [Link](#) | C++, Object-Oriented Programming, Data Structures, Algorithm, File Handling

- The Airline Reservation System can assign a reservation seat on flight booking.
- File Handling is used to store reservation details after booking
- A specific PNR number is generated for every booking which is used to search for the details of each booking from the Database.
- Object-Oriented approach is followed for coding
- The System has been tested rigorously in over 1000 test cases

KARTAVYA — *Frontend Website* | [Link](#) | HTML, CSS, Bootstrap

- Frontend of the website of Rakt DTU(formerly Kartavya), an initiative by NSS DTU
- Website is created to make Blood Donation appealing by introducing Pointer System after donating blood
- Helps to connect 1,000+ Donation Centers all over India and find a donation center near you
- A separate profile of each Donor will be maintained to track all the donations made by the donor
- Blood donors will earn points by donating blood in order to receive incentives

UV Light Sanitizer Box — *Hardware Project* | [Link](#)

- In order to combat the COVID-19 pandemic, a working model of a UV light sanitizer box is constructed
- The primary purpose of this device is to sanitize electronic devices
- UVC light strips are used in conjunction with 555-ICs to construct a timer circuit that ensures 5 minutes of sanitization
- UVC works by breaking down particular chemical bonds and scrambling the structure of DNA, RNA, and proteins, rendering microorganisms unfit to multiply

ACADEMIC ACHIEVEMENTS AND AWARDS

- Published a Research Paper named "**REVIEW RESEARCH PAPER NEUROMORPHIC COMPUTING AND APPLICATIONS**" in the International Research Journal Of Modernization In Engineering Technology And Science (IRJMETS). [Link](#)
- 5 Star Gold Badge for C++ on HackerRank. [Link](#)
- 3 Star Silver Badge for Problem-Solving on HackerRank. [Link](#)
- 380+ Leetcode Problems solved. [Link](#)
- Problem-Solving (Basic) Certificate [Link](#)
- Secured 205 state rank and achieved 1,511 Olympiad rank in International Olympiad of Mathematics 2018.

TECHNICAL SKILLS

Programming	DataBase	Miscellaneous
Python(Django), C/C++, HTML, CSS, JavaScript(React.js, Express.js, Node.js)	MongoDB, MySQL	Git, MATLAB

POSITIONS OF RESPONSIBILITY

- MENTOR, Society of Robotics - DTU, 2021- present
 - Mentored five students with career and non-academic counseling.
 - Conducted weekly sessions over the month of 6 months to teach students how to use Soldering Iron and make connections in Quadcopter
 - Trained the students on how to calibrate Electronic Speed Controllers (ESC) to the Motors, and Lithium Polymer Battery
 - Demonstrated the use of all the ports on the flight controller, and connect components like ESCs, GPS, Telemetry, RC Input to it. Informed them about the use of a gyroscope and accelerometer (IMU) and taught them how to control the flight controller using open-source firmware like ArduPilot or PX4.
 - Provided students with study material
- Co-Head, Hospitality Team for Cultural Council, 2021- present
 - Managed and organized College Festivals.
 - Organized "HomeComing 2K22" with a crowd of over 15,000 students.
 - Helped in managing "Farewell 2K22".
 - Planned and coordinated with a team of 120+ students to organize EngiFest

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Volunteered for "Voice of Animals" 2021-2022 (Initiative by NSS DTU)
- Member of the Football team for Engineering Physics Branch, 2021
- Hobbies: Football, Cricket, Cycling, Travelling, and Trekking.
- Volunteering as a mentor at Desh Ke Mentor

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- English** - Professional proficiency
- Hindi** - Native proficiency
- German** - Intermediate proficiency