

# TUSHAR PAL

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## EDUCATION

B.TECH(Computer Engineering)	2024	Delhi Technological University, New Delhi	8.83 CGPA
CBSE (Class XII)	2019	Sidhartha Public School	79.20 %
CBSE (Class X)	2017	Mayur Public School	83.6 %

## PROJECTS & RESEARCH PAPER

Academic Projects	Flick Book ( C++ & OBJECT ORIENTED PROGRAMMING ) <a href="#">↗</a>		
	<ul style="list-style-type: none"><li>Developed and designed a shows &amp; event management system which allows you to book the events and shows along with the live stream of the shows that are trending across the web.</li><li>Database is maintained with help of <b>file handling</b> so that every user can be easily authenticated while on sign up portal.</li><li>Developed using Object Oriented Programming concepts like <b>classes &amp; objects, global function, Encapsulation, Inheritance , File Handling</b> and the <b>C++ header files</b> etc.</li><li>Technology Stack – <b>C++</b></li></ul>		
	Adhyapanam ( A FULL STACK WEB APP ) <a href="#">↗</a>		
	<ul style="list-style-type: none"><li>Adhyapanam is a website where students can take a live class of their own choice of subject from any mentor who has posted any live session.</li><li>Mentors can create any live session class for students along with that they can also post any important notification.</li><li>Some additional features are also added for both student and mentor which makes their work easy.</li><li>Designed a user-friendly and <b>interactive UI</b> which is easy to use for both students and mentors.</li><li>This project was created using <b>Node.js, Express, MongoDB, Mongoose and Bootstrap. ReactJs</b> and <b>Material UI</b> in order to handle authentication <b>Mongo Atlas</b> for a cloud database.</li></ul>		
Live Project	Vital - Heart ( A MACHINE LEARNING MODEL & A WEB APP ) <a href="#">↗</a>		
	<ul style="list-style-type: none"><li>Vital - Heart is a heart disease and treatment prediction model that uses <b>data analysis</b> and <b>machine learning techniques</b>.</li><li>It identifies individuals who are at high risk of developing heart disease i.e. Diagnosis, as well as suggest potential treatment options based on that prediction.</li><li>Some additional features are also added for health and fitness purposes along with <b>interactive UI</b> which is easy to use.</li><li>This project was created using <b>Python, Machine Learning, Random Forest Classifiers, Scikit Learn Library</b> , and for server side connection <b>Flask</b> and for integration with web it is done using <b>HTML/CSS</b> and <b>JavaScript , JQuery</b> and <b>Bootstrap</b> and <b>Postman</b> for backend request for build, test and iterate APIs.</li></ul>		

## TECHNICAL SKILLS & COURSES

Technical Skills	<ul style="list-style-type: none"><li><b>Language / Framework</b> : C, C++, Python, Html, Css, JavaScript, NodeJs, ExpressJs, MongoDB, ReactJS, Bootstrap, Flask</li><li><b>Tools / OS</b> : Github, Windows, Vs Code, Pycharm , IntelliJ idea, Machine Learning , openCV, Jupyter Notebook</li></ul>
Courses	<ul style="list-style-type: none"><li><b>Data Structure and Algorithm, Object Oriented Programming, Applied Mathematics</b></li><li>Currently completed <b>Database Management System</b> and <b>Operating System</b> and <b>Computer Network</b>.</li></ul>

## ACADEMIC & CO-CURRICULAR ACHIEVEMENTS

Achievement	<ul style="list-style-type: none"><li>Max <b>Leetcode</b> rating <b>1599</b> and <b>4-Star</b> in <b>Solve SQL</b> on <b>HackerRank</b>.</li><li>Secured Global rank <b>2544</b> out of <b>25k</b> participants <b>Leetcode Weekly Contest 300</b>.</li><li>Secured Global rank <b>4615</b> out of <b>24k</b> participants in <b>Leetcode Weekly Contest 298</b>.</li><li>Secured Global rank <b>5582</b> out of <b>23k</b> participants in <b>Leetcode Weekly Contest 297</b>.</li></ul>	<b>2022</b>
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Certification	<ul style="list-style-type: none"><li>Completed Responsive <b>Web Development</b>: 4 courses in 1 and <b>Python Bootcamp</b> from Udemy.</li></ul>	<b>2021</b>
Volunteering	<ul style="list-style-type: none"><li>Participated in <b>Daan Utsav</b> and encouraged others to plant more trees &amp; work on some social cause.</li></ul>	<b>2021</b>
Interests	<ul style="list-style-type: none"><li>Weight Training, Sports, Volunteering, Leadership &amp; Team Work ,reading blogs and listening to music.</li></ul>	