



## EDUCATION

Program	Institution	CGPA/%	Year of Completion
<b>Production Engineering</b> (B. Tech)	National Institute of Technology, Trichy	7.74	2026
Class XII, CBSE	Boson International School Madhya Pradesh, CBSE	89%	2022
Class X, CBSE	Carmel Convent School Madhya Pradesh, CBSE	91%	2020

## PROFESSIONAL EXPERIENCE

<b>Paradise Infotech</b> Business Analyst Intern Jun'24 – Jul'24	<ul style="list-style-type: none"> <li>Segmented customer transaction data by implementing marketing analysis by applying RFM model</li> <li>Leveraged Python, Pandas, and Numpy to develop and deploy the RFM model effectively</li> <li>Analysed the customer data and segmented them based on recency, frequency, and monetary values</li> <li>Pivotal categories: <b>best</b> customers, <b>loyal</b> customers, <b>big</b> spenders, and <b>churned</b> customers</li> <li>Delivered essential insights to enhance customer relationships, increased company sales by <b>20%</b></li> </ul>
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## PROJECTS

<b>Analysis of Country Economy &amp; Judiciary</b> Research paper	<ul style="list-style-type: none"> <li>Analysed relationship between economic indicator &amp; judicial efficiency for top 10 economic countries</li> <li>Derived actionable <b>insights</b> on legal system's impact on economic growth by utilizing Pandas, Numpy</li> <li>Revealed key correlations, GDP per capita with Corruption Perception Index (CPI), Global Competitiveness Index (GCI) with Gender Inequality Index (GII)</li> </ul>
<b>User Auth. &amp; Contact management</b> Self-Project	<ul style="list-style-type: none"> <li>Utilized <b>MERN</b> stack to create secure system where users can register, log in, &amp; manage their contacts</li> <li>Implemented secure user authentication using the <b>JWT</b> (JSON Web Tokens) for token-based authentication and <b>Bcrypt</b> for password hashing, ensuring robust security in user data management</li> <li>Implemented features for adding, updating, and removing contacts, only for the authenticated users</li> </ul>
<b>Doc Formatter</b> Self-Project	<ul style="list-style-type: none"> <li>Created Python script to extract text from scanned reports in JSON format &amp; convert it into CSV file</li> <li>Transformed coordinates of strings using trigonometry to adjust for <b>angle of inclination</b> of report</li> <li>Resolved watermarks in CSV by trimming words based on the <b>confidence level</b> of each string scanned</li> </ul>
<b>Sudoku Solver</b> DSA Puzzle solving Project	<ul style="list-style-type: none"> <li>Developed Sudoku solver using a unique approach inspired by <b>human thinking</b>, capable of solving puzzles across all the difficulty levels</li> <li>Applied the <b>backtracking</b> technique to explore potential solutions by <b>recursively</b> assigning possible values to an empty cell and backtracking when an invalid assignment is made</li> <li><b>Optimized</b> the algorithm by filling empty cells with the lowest number of possible values first, reducing the need for backtracking significantly</li> </ul>

## TECHNICAL SKILLS &amp; CERTIFICATIONS

<ul style="list-style-type: none"> <li>Languages: Python, C/ C++</li> <li>Libraries: Pandas, Matplotlib, Seaborn, Sklearn</li> <li>Relevant Courses: Data Structures and Algorithms, DBMS</li> <li>Software and Platforms: MS Excel, Adobe, Figma</li> </ul>	<ul style="list-style-type: none"> <li>Exploratory Data Analysis for Machine Learning (with Honors)</li> <li>Supervised Machine Learning: Classification (Coursera by IBM)</li> <li>Supervised Machine Learning: Regression (Coursera by IBM)</li> <li>Unsupervised Machine Learning (Coursera by IBM)</li> </ul>
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## POSITIONS OF RESPONSIBILITY

<b>Coordinator, Organizing Committee, Prodigy:</b> June'22-May'23	<ul style="list-style-type: none"> <li>Worked as a Coordinator of the Organizing Committee of Prodigy 24, the Production Engineering Department annual technical symposium of NIT Trichy</li> <li>Coordinated logistics and managed resources for <b>5</b> events in an annual conference with <b>150+</b> attendees, ensuring seamless execution and high satisfaction in workshops and events</li> <li>Played a pivotal role in the team by refining strategic planning and vendor negotiations, resulted in increased participant engagement and significant cost savings by <b>10%</b>, optimizing the overall budget</li> </ul>
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## EXTRA-CURRICULAR ACTIVITIES

<ul style="list-style-type: none"> <li>Competed as a school representative in <b>district-level</b> table tennis tournaments (Under 14 and Under 17 categories)</li> <li>Secured <b>Second place</b> in Table tennis and Choreonite in Aaveg'23 – inter-hostel cultural fest organised by NIT Trichy</li> <li>Contributed to U&amp;I program, NIT Trichy chapter, providing education to students with below-average academic backgrounds</li> </ul>
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