

# Prakhar Pratap

Male

Contact Information

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EDUCATIONAL QUALIFICATIONS		
B.Tech. <b>Computer Science</b> - 2023	BBD Institute of Technology and Management, Lucknow	67%
Class XII, CBSE - 2019	Woodbine Gardenia School, Kanpur	71%
Class X, CBSE - 2017	Woodbine Gardenia School, Kanpur	91%
TECHNICAL SKILLS		
<b>Python</b> (Flask, Django, REST API, FastAPI, Pandas, Numpy, Matplotlib), <b>C/C++</b> , <b>SQL</b> , <b>DBMS</b> (MongoDB, Postgres, SQLite3), <b>HTML5</b> , <b>CSS</b> , Postman, Docker, <b>Git</b> , Tableau, MS-Office		
INTERNSHIPS		
<b>Data Analyst Intern, Propelsys Software, Hyderabad</b>		2022
<ul style="list-style-type: none"><li>Conducted detailed analysis of sales data using Python 3.x (<b>Pandas</b>, <b>Numpy</b>, <b>Matplotlib</b>) to present meaningful insights and <b>automated</b> data extraction and cleaning processes, reducing data preparation time by 30%.</li><li>Executed detailed statistical analysis and incorporated visualization techniques to create actionable <b>Tableau dashboards</b>, improving team productivity by 30% and reducing manual reporting efforts by 25%.</li></ul>		
PROJECT WORK		
Python Development	<b>Drowsiness Detection System</b>	<i>Github</i>
	<ul style="list-style-type: none"><li>Engineered a <b>Tensorflow</b> model for Drowsiness Detection, potentially reducing accidents by 40%.</li><li>Enhanced image recognition system accuracy to 91.8% through the strategic application of <b>OpenCV's</b> image processing library.</li><li>Introduced innovative safety technologies and protocols in road infrastructure and critical industries.</li></ul>	
Web Development	<b>CodeBot</b>	<i>Github</i>
	<ul style="list-style-type: none"><li>Developed code bot with <b>Django</b> web framework, integrating <b>OpenAI's GPT-3.5 API</b> for code correction, while using <b>HTML5</b>, <b>CSS</b> and <b>Bootstrap</b> for the frontend.</li><li>Engineered a robust framework supporting comprehensive <b>CRUD operations</b> and implemented a fully functional login page, resulting in a 40% reduction in user authentication issues.</li></ul>	
Backend Dev	<b>Advanced REST API</b>	<i>Github</i>
	<ul style="list-style-type: none"><li>Designed scalable <b>REST APIs</b> using <b>Python</b>, <b>Flask</b>, and <b>Docker</b>, with comprehensive authentication features; improved data integrity by 35% and decreased development cycle time by 25%.</li><li>Secured user registration and authentication using <b>Flask</b> and <b>JSON Web Tokens</b>, reducing unauthorized access attempts by 50%.</li><li>Optimized database queries for a 40% reduction in response time using <b>SQLAlchemy (ORM)</b>.</li></ul>	
Coding Skills	<ul style="list-style-type: none"><li>Solved 500+ problems on <b>Leetcode</b>, achieving Top SQL 50 and 100 Days Badge.</li><li>Demonstrated advanced expertise in <b>Python 3.x</b> and <b>Django</b> through 40+ <b>GitHub</b> projects; created 50+ reusable web components using <b>JavaScript</b>, <b>HTML</b>, and <b>CSS</b>, cutting development time by 40% with <b>Neovim</b>.</li></ul>	
CERTIFICATIONS & TRAININGS		
<b>Python Programming</b> , <i>Internshala</i> Acquired expertise in Python programming, SQLite 3, and GUI creation with PyQT.		2022
<b>Integrating Python, SQL and Tableau</b> , <i>Udemy</i> Skills in Data Manipulation, Analysis and Visualization for enhanced business insights.		2022
<b>Python Django</b> , <i>Udemy</i> Skilled in building robust and scalable web applications with focus on efficient back-end development.		2023
<b>Pandas Essential</b> , <i>Linkedin Learning</i> Solidified proficiency in data manipulation and analysis using the Pandas library for effective decision-making.		2023
<b>Data Structure</b> , <i>Udemy</i> Algorithms, Data Structures and performance analysis.		2022
EXTRA-CURRICULAR ACTIVITIES		
House Prefect	<b>Woodbine Gardenia School Kanpur (2017- 2019)</b>	
	<ul style="list-style-type: none"><li><b>Supervised house participation</b> and activities technical and cultural events.</li><li>Counselled a group of <b>300+ house students</b> and maintained vigilance during student movements.</li></ul>	
Content Writing	<ul style="list-style-type: none"><li>Transcribed articles and conducted <b>workshops on blood shortage</b> and awareness for Khoon NGO.</li><li>Completed a 1-month training as a <b>content writer in the marketing team</b> for Yugam Navridhi foundation.</li></ul>	
Social Service (Khoon NGO)	<ul style="list-style-type: none"><li>Organized the Mega Blood Donation Camp with <b>500+ donations</b> in collaboration with Red Cross Society.</li><li>Created an online database of <b>100+ active blood donors</b> across Lucknow.</li></ul>	
Interests	<ul style="list-style-type: none"><li>Researched cutting-edge developments in <b>OpenAI</b> and <b>Metaverse</b>, strategically adopted relevant innovations.</li><li>Reading non-fiction books and playing football.</li></ul>	