

# Prakhar Pratap

Male

Phone: 9628592867 E-mail: prakharpratap2001@gmail.com  
Linkedin: linkedin.com/in/prakharpratap  
Address: 70 Sindhi Housing Society Indira Nagar, Kanpur 208026

EDUCATIONAL QUALIFICATIONS			
B.Tech. Computer Science	BBD Institute of Technology and Management, Lucknow	67%	2023
Class XII, CBSE	Woodbine Gardenia School, Kanpur	71%	2019
Class X, CBSE	Woodbine Gardenia School, Kanpur	91%	2017

ACADEMIC & CO-CURRICULAR ACHIEVEMENTS	
▪ Secured <b>A Grade</b> for the <b>Microprocessor</b> course during the 2 <sup>nd</sup> year of college (4 <sup>th</sup> Semester) Examinations	2020
▪ Secured <b>9 CGPA Equivalent (Top 10 percentile)</b> for the <b>English</b> course during Senior Secondary (12 <sup>th</sup> ) Examinations	2019
▪ Scored <b>10 CGPA</b> in <b>Mathematics, Science</b> and <b>English Communication</b> during Higher Secondary (10 <sup>th</sup> ) Examinations	2017
▪ Secured <b>430 International rank</b> in the 17 <sup>th</sup> <b>National Cyber Olympiad</b> with participation from 18 countries across the globe	2016
TECHNICAL SKILLS	
<b>Python</b> (Flask, Django, RESTful, FastAPI, Pandas, Numpy, Matplotlib, Scikit-Learn, Tensorflow, Keras), <b>SQL, DBMS</b> (MongoDB, Postgres, SQLite3), <b>HTML5, CSS, Postman, Docker, Git, Tableau, MS-Office</b>	

INTERNSHIPS	
<b>Propelsys Software, Hyderabad</b>	Jun'22 – Sep '22
▪ <b>Analysed</b> sales data using Python 3 (Pandas, Numpy, Matplotlib) to gain and present meaningful insights.	
▪ Utilized <b>statistical analysis</b> and <b>visualization techniques</b> to present findings creating a <b>Tableau</b> (Tableau Public profile) dashboard.	

PROJECT WORK	
Python Development	<b>Drowsiness Detection System</b> <i>Github</i>
	▪ Engineered and deployed a <b>Tensorflow</b> -based model for Drowsiness Detection, which can lead to <b>40% reduction</b> in accidents due to long haul driving operations. ▪ Achieved an <b>accuracy of 91.8%</b> using <b>OpenCV's</b> image processing library, contributing to improved safety on the roads and in critical settings such as manufacturing and healthcare.
Web Development	<b>CodeBot</b> <i>Github</i>
	▪ Developed a codebot using <b>Python's Django</b> web framework, created frontend using <b>HTML 5, CSS and Bootstrap</b> . Framework also had the ability to do <b>CRUD Operations</b> with a fully functional login page ▪ Implemented <b>OpenAI's API</b> which uses GPT-3.5 for code correction.
Backend Dev	<b>Advanced REST API</b> <i>Github</i>
	▪ REST APIs using <b>Python, Flask</b> , and <b>Docker</b> . Implemented authentication, deployments, databases, and other essential feature to develop a <b>professional-grade API</b> . ▪ <b>Secure user registration and authentication</b> using <b>Flask</b> and <b>JSON Web Tokens</b> for token authentication. ▪ Optimized database queries for a 40% reduction in response time using <b>SQLAlchemy</b> and <b>Flask-SQLAlchemy</b> ▪ Deployed and managed <b>Docker</b> containers to streamline deployment process.
Coding Skills	▪ <b>Leetcode</b> : 500+ Problems Solved, Top SQL 50, 100 Days Badge
	▪ <b>Github</b> : 30+ diverse projects on GitHub showcasing proficiency in Python, Django and other technologies. ▪ Working on my own components library using <b>Javascript, HTML</b> and <b>CSS</b> . <i>Github</i>

CERTIFICATIONS & TRAININGS	
<b>Programming with Python, Internshala</b> Training consisted of courses on Python programming, SQLite 3 Database, GUI with PyQT and various modules.	Mar '22
<b>Integrating Python, SQL and Tableau, Udemy</b> Skills in Data Manipulation, Analysis and Visualization for enhanced business insights.	Sep '22
<b>Python Django, Udemy</b> Skills in building robust and scalable web applications with focus on efficient back-end development.	Jun '23
<b>Pandas Essential Training, LinkedIn Learning</b> Solidifying proficiency in data manipulation and analysis using the Pandas library for effective decision-making in Python.	Aug '23
<b>Data Structure Training, Udemy</b> Algorithms, Data Structures and performance analysis	Jun '22

EXTRA-CURRICULAR ACTIVITIES	
House Prefect	<b>Woodbine Gardenia School Kanpur (July '17- Mar '19)</b>
	▪ <b>Supervised house participation</b> and activities in various technical and cultural events during the academic year ▪ Counselling a group of <b>300+ house students</b> and kept vigilance during the student movements and happenings
Content Writing	▪ Transcribed articles and conducted multiple <b>workshops on blood shortage</b> and awareness for Khoon NGO ▪ Accomplished a 1-month training as a <b>content writer in the marketing team</b> for Yugam Navridhi foundation
Social Service (Khoon NGO)	▪ Organized the Mega Blood Donation Camp with <b>500+ donations</b> in collaboration with The Red Cross Society ▪ Created an online database of <b>100+ active blood donors</b> from various blood groups across the Lucknow city
Interests	▪ Keeping up with the latest trends and developments in technology such as <b>OpenAI, Metaverse</b> etc. ▪ Reading non-fiction books and playing football.