Prakhar Pratap

Male

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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

TECHNICAL SKILLS

Python(Flask, Django, REST API, FastAPI, Pandas, Numpy, Matplotlib**), C/C++, SQL, DBMS(**MongoDB, Postgres, SQLite3**), HTML5, CSS,** Postman**, Docker, Git,** Tableau, MS-Office

INTERNSHIPS

Data Analyst Intern, Propelsys Software, Hyderabad   *Jun'22 – Sep '22*

- Conducted detailed analysis of sales data using Python 3.x (**Pandas**, **Numpy**, **Matplotlib**) to present meaningful insights.
- **Automated** data extraction and cleaning processes, reducing data preparation time by 30%.
- Implemented statistical analysis and visualization techniques to create **Tableau** dashboards.

PROJECT WORK

Python Development	**Drowsiness Detection System** *Github*
	- Engineered a **Tensorflow** model for Drowsiness Detection, potentially reducing accidents by 40%.
	- Achieved 91.8% accuracy using **OpenCV's** image processing library.
	- Improved safety on the roads and in critical settings such as manufacturing and healthcare.
Web Development	**CodeBot** *Github*
	- Developed codebot with **Django** web framework, with frontend using **HTML5, CSS and Bootstrap.**
	- Framework also had the ability to do **CRUD Operations** with a fully functional login page
	- Integrated **OpenAI's GPT-3.5 API** for code correction.
Backend Dev	**Advanced REST API** *Github*
	- Developed REST APIs using **Python, Flask** and **Docker**, with authentication and deployments.
	- Secured user registration and authentication using **Flask** and **JSON Web Tokens**.
	- Optimized database queries for a 40% reduction in response time using **SQLAlchemy. (**an **ORM)**
Coding Skills	- Solved 500+ problems on **Leetcode**, achieving Top SQL 50 and 100 Days Badge.
	- 30+ diverse projects on **GitHub** showcasing proficiency in Python 3.x, Django and other technologies.
	- Built 50+ web components using **Javascript**, **HTML5** and **CSS.** *Github*

CERTIFICATIONS & TRAININGS

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

EXTRA-CURRICULAR ACTIVITIES

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