





Pritpal Singh


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Education


Bachelor of Technology in Information Technology in Information Technology, 2021 – 2025
Jaypee Institute of Information Technology Noida, India

AISSCE (C.B.S.E), Maheshwari Public School 2019 – 2021
Class XII - 96.3% Jaipur, India
Class X - 93.2%

Professional Experience


Data Analytics Intern, Publiq.studio  05/2024 – 08/2024
Remote, India


- Built a **data-driven** platform generating insights for e-commerce sellers, **boosting sales by 20%**.
- Analyzed and visualized** large datasets to identify trends, enhancing decision-making.
- Worked directly with the **CEO**, contributing to key strategic decisions in a fast-paced startup.
- Demonstrated strong **teamwork** and problem-solving skills, leading to a **full-time job offer**.

SDE Intern, Bench Work Technologies  05/2023 – 12/2023

- Developed an internal **collaboration** tool that streamlined scheduling and note-taking, reducing context-switching by **30%**.
- Integrated** calendar and note-taking features, improving meeting efficiency for **100+ users**.
- Aimed at scaling the product and building and updating **CI/CD pipelines**.

Skills Acquired: **Project Development, TypeScriptJs, NodeJs, ExpressJs, MongoDB**

Summer Intern, Center of Excellence - AI for Education, IIIT Noida  06/2022 – 07/2022

- Crafted** a development framework resulting in a **20% improvement** in learning outcomes for the **AI for Education initiative** .
- Showcased** expertise in **problem ideation** and **creative thinking**, leading to **successfully resolving a complex problem statement**.

Skills Acquired:- Inter-disciplinary Research, Writing, Python, Django, Machine Learning and NLP.

Projects


CompileX, An Online Coding Platform 02/2024 – 03/2024

- Built and deployed an online coding platform for 500+ users with **real-time code execution** and feedback.
- Created a coding arena with **100+ problems**, enabling users to practice and host contests.
- Developed a **scalable client-server** architecture using React and Node.js, enhancing user experience.

Skills Acquired: **TypeScript, Redux, NodeJs, Express, MongoDB**

InsightsIQ, A data-driven platform to generate insights that help increase sales 08/2024 – 08/2024

- Developed** InsightsIQ, a data-driven assistant for e-commerce sellers, **boosting** sales and profitability.
- Built** a dashboard to **simplify complex data**, **enabling** real-time market and competitor tracking.
- Processed** and **aggregated** data from multiple sources, delivering actionable insights and recommendations.
- Enhanced** seller decision-making, **contributing** to e-commerce platform growth.

IPL Win Probability Predictor  01/2024 – 03/2024

- Devised an **end-to-end ML project** resulting in a **12% increase** in **accuracy compared to baseline models**.
- Employed three **different encoding techniques** and two **regularization methods** to optimize the ML model's performance.
- Deployed **six different models** on the dataset to conduct a comprehensive analysis and comparison of their behavior under **varying conditions**, yielding insights crucial for decision-making.

Skills Acquired:- **Problem Identification, Data Pre-processing, MLDLC, Flask.**


CAPEC Web Attack Classifier  08/2023 – 12/2023

- Worked on the **multilabel classification** of web attacks as per **CAPEC standards** .
- conducted **novel experimentation** and devised a model that **exceeded the accuracy** of the **original implementation by 3%** .

Skills

- Python, Javascript, React, NodeJS, MongoDB, SQL, Bash, LaTeX
- Fundamentals:- Operating Systems, Machine Learning, OOPS, DSA, Computer Networks, DBMS

Volunteering

Light De Literacy, Completed 100+ hours as a Student Mentor  02/2023 – 02/2024
Noida, India

- Guided and empowered 12 students to excel in the academics
- Hosted and Managed the annual meet 'Pratibha Samman Samaroh'

IEEE Student Volunteer, Student Volunteer

Organised flagship annual event of **IEEE - Xenith'24** and mentored in **Techblocks 7.0**

- **Enhanced** communication and collaboration abilities, **growing** personally and professionally as an active IEEE member.

06/2022 – 05/2023

Noida, India