

# Yash Kumar Saini

+91 8273638500 | Haryana, India | yashksaini89@gmail.com | LinkedIn | Github | Portfolio

## SKILLS

---

**Languages** Python, C, C++, Data Science, ,SQL, Markdown, YAML ,Java, HTML, CSS, Javascript

**Frameworks** Flask, Django, Streamlit, ReactJS, TailwindCSS, Bootstrap, Node Js, Tensorflow, Scikit-Learn

**Software/Tools** VSCode, GCP, MongoDB, Jupyter Notebook, Git, Github, Google Workspace, Notion, Postman, Pieces, Heroku, Github Actions

**Certificates** Upgrad Data Science & Analytics, Postman API Fundamentals, Python For Data Science, Data Analyst, ML Engineer **Soft Skills**

Communication, Teamwork, Problem Solving, Learning, Automation, Content Writing, Statistical Data Analysis

## EXPERIENCE

---

**WINTER OF BLOCKCHAIN** | *Open Source Contributor* **Sept 2024 - Present** • Currently contributing in an open-source event that has more than **205** projects, in the field of Blockchain & **Web3**.

- Main tasks include implementing new features, resolving bugs, and enhancing project functionality within a collaborative community.
- Collaborating and working together on open-source projects using tools like **Git** and **Github** service.

**GIRLSCRIPPT SUMMER OF CODE** | *Open Source Contributor* **May 2024 - Aug 2024**

- Contributed to multiple open-source projects: Opened **17 Pull Requests**, with **14** successfully merged across **7 projects**.
- Active issue management: Opened **29 issues** and **resolved 17**, improving project code quality and functionality.
- Engaged in the community: Answered **11 discussions** and reviewed **4 Pull Requests**, fostering collaborative development. **CODSOFT** | *Data Science*

*Intern* **Jan 2024 - Feb 2024**

- Documented & coded 5+ different Machine Learning algorithms for Prediction and Classification purposes, and created a web application interface using the Streamlit framework.
- Utilized XGBoost model to predict sales with a score of **1.15 MSE** & **0.94 R-squared** scores with multiple variables.
- Also tested 4+ ML algorithms to predict fraudulent credit card transactions, in which Linear Regression model achieved a best accuracy score of **98%**.

**PRODIGY INFO-TECH** | *Machine Learning Intern* **Dec 2023 - Jan 2024** • Developed over **3+** Machine Learning projects with Feature Engineering & Selection techniques to solve real-world challenges. • Developed a KNN ML algorithm for prediction of House Prices with a Cross-Validation score of **0.83** and a best accuracy score of **86%**.

**GIET** | *Content Writer*

- Raised personal and academic profile by receiving a certificate for a review paper presentation titled "Data Science - Review Paper" at the prestigious 2nd Multidisciplinary National Conference 2023.

**MERISKILL** | *Data Analyst Intern* **Dec 2023** • Performed Data Analysis & Data Visualization to accomplish the insights on HR attrition. Used Python libraries to plot Numerical & Categorical features on measurable scale.

- Attrition rate in the organization is **16%**. Maximum was seen in groups **18-30 years** of age.

**BHARAT INTERN** | *Data Science Intern* **Aug 2016 - Aug 2017**

- Conducted data analysis and visualization on the Titanic dataset, extracting actionable insights and achieving **0.83** accuracy and **0.82** cross-validation scores.
- Built and deployed an LSTM model for email classification, achieving **95%** accuracy in distinguishing between spam and non-spam emails. Visualized term frequency in spam emails by creating Word Clouds, enhancing understanding of spam characteristics and model performance.

## ACADEMIC & PROFESSIONAL PROJECTS

---

**Update Leetcode GIST** (~4 hours) | YAML, Javascript, CI/CD (Github Actions), Github, Git (Version control) **Aug 2024** • Developed a tool to automatically update and manage LeetCode problem solutions on GitHub Gist, enhancing accessibility and organization of coding solutions.

**Code Whisper** (~6 hours) | Python, Streamlit(Framework), Groq API(AI services), Github, Git (Version control), Render(Deployment) **Aug 2024** • Developed an AI Coding Assistant using Streamlit, python framework integrated with Groq API to provide coding assistance.

- Implemented API key validation & dynamic model selection from 5 different models & interacted with AI Bot for personalized coding support.

**Lead Case Study Capstone Project** (~15 hours) | Tech Stack: Python, Jupyter Notebook, Github(Collaboration), Git (Version control) **Jan 2024** • Analyzed raw data and built a logistic regression model for predictions, demonstrating skills in data analysis, visualization, and model implementation, accompanied by a well-structured codebase, summary report, and business case insights.

## ACTIVITIES

---

**WoB'24** Open Source Contributor, **HeadStarter AI** SWE Fellow, **GSSOC'24** Open Source Contributor, **2024-Present** Yugaantar - Head Coordinator, **Postman** API Fundamentals

Codex GIET Club - Member, **NPTEL** Online Course (Data Science), Student Coordinator (6+ Events) **2023-2024** GIET 2nd Multidisciplinary National Conference - Student Coordinator

## EDUCATION

---

**GIET, Gateway Institute of Engineering & Technology** Bachelors of Computer Applications in Computer Science **Sept 2022 - Mar 2025** **Data Science Bootcamp** Upgrad (24-week intensive on Data Science, Data Analytics, Machine Learning) **Jun 2023 - Feb 2024** **NPTEL** Python for Data Science **Jul 2023 - Aug 2023** **Happy Home Montessori School** **April 2018 - Mar 2022**