

# Yash Kumar Saini

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## SKILLS

<b>Languages</b>	Python, C, C++, Data Science, ,SQL, Markdown, YAML ,Java, HTML, CSS, Javascript
<b>Frameworks</b>	Flask, Django, Streamlit, ReactJS, TailwindCSS, Bootstrap, Node Js, Tensorflow, Scikit-Learn
<b>Software/Tools</b>	VSCode, GCP, MongoDB, Jupyter Notebook, Git, Github, Google Workspace, Notion, Postman, Pieces, Heroku, Github Actions
<b>Certificates</b>	Upgrad Data Science & Analytics, Postman API Fundamentals, Python For Data Science, Data Analyst, ML Engineer
<b>Soft Skills</b>	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.

### GIRLSRIPT 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, Yugaantar - Head Coordinator, **Postman** API Fundamentals 2024-Present

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