

Sourab Paul

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EXPERIENCE

Software Developer Intern

Apr 2023 – Present

VILS Behaviour Intelligence

Hyderabad, India (Remote)

- Developed **FastAPI-based authentication system**, ensuring secure user authentication and authorization.
- Designed and implemented appropriate database schemas and table structures in **MySQL** to store user credentials, access tokens, and authentication-related data.
- Implemented multiple authentication methods, including **Google login, OTP login, and GitHub login**, resulting in a **6% increase in user engagement** and login flexibility.
- Leveraged **Linux server** infrastructure to **deploy** the auth system, ensuring its availability and reliability.

Machine Learning Intern

Feb 2023 – Apr 2023

IGNITUS

Pennsylvania, USA (Remote)

- Combined **5** different datasets with a total of **100,000+** records and **10** variables, handled **10%** of outliers and **5%** missing data, resulting in a comprehensive and clean dataset.
- Developed a KNN model, achieving an accuracy of **95%** and a precision and recall of **92%**, outperforming the baseline model by **4%**.
- Applied K-means clustering algorithm to segment customers based on their RFM (Recency, Frequency, Monetary Value) scores, resulting in the identification of the **top 5%** of customers as VIPs.

PROJECTS

CodePals | *NodeJS, ReactJS, WebSockets*

Feb 2023

- Utilized the MERN stack to create a web-app for collaborative coding and chatting with response time less than 0.5 sec in order to conduct or practice technical interview coding rounds.
- Created a code editor with syntax highlighting, automatic indentation, and line numbering, which improved code readability and accuracy for coding rounds.
- Hosted link : <https://codepals.onrender.com/>
- Project link : <https://github.com/SourabHere/CodePals>

Price Assist | *Python, Sklearn, Django*

Aug 2022

- Developed a web-app in Django along with ML model that utilizes data on a vehicle's mileage, brand, kilometres driven, and other factors to determine the best selling price with accuracy upto 96%.
- Hosted link : <https://price-assist-1e25a.web.app>
- Project link : <https://github.com/beastrun12j/Price-Assist>

OpensourceHub | *Python, Django*

September 2022

- Created social media web-app with **Django, Python, SQLite database**. Users can search, upload, edit open-source projects, and provide feedback via like/dislike buttons and comments.
- Constructed a feedback system using like/dislike buttons and comments section.
- Project link : <https://github.com/SourabHere/OpenShourceHub>

CODING ACHIEVEMENTS

- Achieved **rank 1476 out of 10000+** in **GeeksForGeeks Job-A-Thon 11: Hiring Challenge**.
- Achieved rank **2876 out of 22500+** in **LeetCode Weekly Contest 314**.
- Solved **700+** Leetcode problems maintaining max contest rating **1707 (Top 11%)**.
- Among the top achievers and **earned all 6/6 badges in Google Learn to Earn Program**.

TECHNICAL SKILLS

Languages: Python, C/C++, Java, MySQL, JavaScript, HTML/CSS, NodeJs, Django, FastAPI

Developer Tools: Git, **Linux**, Google Cloud Platform, VS Code, Netlify, Render, Cyclic, Google Colab

Other Skills: Data Structures, Algorithms, Object Oriented Programming in C++

EDUCATION

Maharaja Surajmal Institute of Technology(2020 – 2024)

GGSIU, New Delhi

B.Tech in Computer Science

CGPA: 9.0 / 10.0