GOURAV KUMAR SHAW

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GitHub | Linkedin | LeetCode | CodeForces | CodeChef

EDUCATION

Indian Institute of Engineering Science and Technology, Shibpur Howrah ,West Bengal
B.Tech Computer Science and Technology *CGPA: 9.07(till 7th semester)* December 2020 - June 2024

Deshbandhu Vidyalaya (Boys) Chittaranjan, West Bengal Chittaranjan ,West Bengal
Class 12th, Science stream **87.8%** in CBSE board June 2017 - March 2019

EXPERIENCE

Microsoft | Software Engineer Intern May 2023 - July 2023 | Hyderabad, India

- Worked on **"QF Scope and Query Builder"** project, **optimizing query formulation** to **improve user experience** in **Query Formulation** and **Search functionality**.
- Prepared a detailed **design document** for the **implementation**, including **component overviews, workflow diagrams**, and other relevant information.
- Implemented a strategy to **disable irrelevant suggestions** based on user input, aiming to **increase Session Success Rate (SSR)** and **decrease Time to Search (TTS)** for users who are likely to add **filters in the search**.
- Developed an **auto-suggestion** feature for **natural language queries** using keywords like **"From:", "In:", "On:", and "To:"**, to help users scope their **queries effectively**.
- Utilized **C#, .NET framework, JavaScript** and **test-driven development** for a high-quality solution.
- **Link to Certificate**

SKILLS

Programming Languages:	C/C++, C#, Python3, HTML, CSS, JavaScript, Java
Libraries/Frameworks:	Flask, .NET, Bootstrap, ReactJS, NodeJS
Tools / Platforms:	Git, GitHub, OpenCV, TensorFlow, NLTK, Numpy, Pandas, Matplotlib, Scikit-learn, Traditional ML algorithms, Excel, PowerPoint, Canva, Figma
Databases:	Oracle SQL, MySQL
Others:	Linux, Object Oriented Programming, DSA

PROJECTS

Filmy - The Movie Recommender | Link | Demo *Python, ML, Flask, HTML, CSS, JavaScript*

- Developed **Filmy**, a **Content-Based Movie Recommender**, as a participant in **Microsoft Engage 2022**, with mentorship from **Mani Deepak Vandrangi**, a Senior Software Engineer at **Microsoft**.
- Employed **HTML, CSS,** and **JavaScript** for the **front-end,** and utilized **Flask** and **Python** for the **back-end** implementation.
- Conducted **web scraping** using **BeautifulSoup4** to extract **user reviews** from **IMDB** and performed **sentiment analysis** on the collected data.
- Implemented **machine learning** models, including **Cosine Similarity**, **Bag of Words, tf-idf Vectorization, Similarity Analysis**, and **Review Analysis**, leveraging **multinomial naïve Bayes** algorithm.

Weather_CLI_Gourav | Link *Python*

- Developed Weather_CLI_Gourav, a **command-line interface** (CLI) using **Python**, to fetch **weather information** for a given city.
- The project provides users with a convenient and **efficient** way to access **real-time weather** data directly from the **command line** using **weather API**.

ACHIVEMENTS

- Ranked **608th** out of **5439** participants in Codechef February Cook-Off 2022 .
- Ranked **966th** out of **10715** participants in Codechef March Long One 2022 .
- Solved **800+** problems on various coding platforms.

POSITIONS OF RESPONSIBILITY

- **Core team member**, CodeIIEST- The coding club of IIEST, Shibpur.
- **Core team member** , Catharsis- The Photography Club of IIEST, Shibpur.
- **Core team member** , Scage- Center for Creative Expression of IIEST, Shibpur.