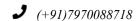
Abhay Kumar



abhay*k74966@gmail<u>.com</u>*



GitHub

EDUCATION

• Chandigarh University 2020 - 2024

Bachelor of Engineering in Computer Science and Engineering (CGPA – 7.8/10.0)

Mohali, Punjab

• MP & EV ENGLISH MEDIUM SCHOOL GAJUWAKA

Central Board of Secondary Examination -12th (Percentage: 71.00%)

Vizag, Andhra Pradesh

DAV PUBLIC SCHOOL BHATGAON

2016 - 2017

2017 - 2019

Central Board of Secondary Examination –10th

Bhatgaon, Chhattisgarh

EXPERIENCE

Software Engineer | GMware Private Limited

June 2024 - Present

- Developed and optimized **web scraping** scripts in **Python** and **JavaScript** to extract data from major marketplaces like **Uber**, **Walmart**, **Walgreens**, **Instacart**, **etc**.
- Bypassed CAPTCHA challenges and ad-blockers using Bright Data, ensuring smooth and uninterrupted data retrieval.
- Designed and managed API interactions with **Postman**, **AWS**, and **GitLab**, streamlining large-scale data extraction.
- Implemented API-based data extraction to improve efficiency and reduce reliance on direct web scraping.
- Processed and restructured extracted data using specialized scripts for better organization and usability.

Software Developer Intern | Persistent System

June 2023 – October 2023

- Developed and implemented a Fingerprint Analysis and Criminal Tracking System to enhance criminal investigations.
- Taught Data Science languages and frameworks, including Python, SQL, Pandas, NumPy, Matplotlib, and Machine Learning libraries.
- **Designed and delivered lessons** on database management using both SQL and NoSQL databases to strengthen students' technical knowledge.
- Conducted code reviews and provided constructive feedback to students, assisting them in debugging and improving their code quality.
- Tech Stack: Python, SQL, MySQL, Beautiful Soup, Selenium, Orange.

Inter - Research | SISTMR Australia

July 2022 - Oct 2022

- Provided clear explanations and examples in Cyber Security, simplifying complex concepts.
- Maintained a **progress report** for regular discussions with the supervisor.
- Conducted code reviews, offering constructive feedback and assisting in debugging.
- Tech Stack: Research, Cyber Security, Data Analysis.

SKILLS AND INTERESTS

- **Languages**: C++, C, SQL, Python.
- Technologies and Libraries: HTML, CSS, MongoDB, MySQL, Django, API Testing, Linux, Git, GitHub, Postman, Beautiful Soup.
- Relevant Courses: Data Structures, Algorithms, OOPS, DBMS, Operating System, Networking, Data Science, Machine Learning, AI Tools – Gemini, ChatGPT, etc.
- Areas of Interest: C++ Developer, IOT Developer, Data Scientist, Data Engineering, Dev-Ops.

PROJECTS

Pong Game <u>GitHub</u>

- Developed a classic Pong game in C++ using the Ray-lib graphics library, ensuring smooth performance and responsive gameplay.
- Designed visually appealing game elements with dynamic colors, animations, and an intuitive user interface.
- Implemented **AI-controlled paddle behavior**, enhancing the competitive aspect and demonstrating problem-solving skills in game development.

Real Time Chat Web App

<u>GitHub</u>

- Built a **real-time chat application** enabling instant text communication between users.
- Optimized for efficiency and ease of use, making it suitable for online discussions and e-commerce interactions.
- Utilized Python, XAMPP Server, MySQL, and JavaScript for seamless backend and frontend integration.

Anti Sleep Alarm for Drive

GitHub

- Developed an AI-powered driver alert system that detects drowsiness and triggers an alarm to prevent accidents.
- Engineered an automated eye-tracking system using sensors to detect closed eyes for a specific duration.
- Implemented using Arduino UNO, C++, C, and various sensors, making it applicable in other alert-based scenarios.

QT-Notepad Application

GitHub

- Developed a feature-rich text editor with essential functions like file creation, opening, saving, and editing.
- Designed an **intuitive** UI using **Q-Main Window** and **Q-TextEdit** for smooth text manipulation.
- Integrated file handling operations with Q-File, Q-File Dialog, and Q-Text Stream, ensuring reliable read/write functionality.
- Added clipboard support (Cut, Copy, Paste) and undo/redo actions, improving usability and efficiency.

ACHIEVEMENTS

Leet Code 100 Days Badge 2024

LeetCode

- Solved 300+ Problems Solved on Coding Ninja & Leet code
- Gold Medal at Coding Treasure Hunt Conducted by CSE Final Year Department C.U

CERTIFICATION

AWS Cloud Technical Essentials

Coursera

Ethical Hacking: System Hacking

Coursera