

Abhay Kumar

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 [Linkedin](#)

 [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** 2017 - 2019
Central Board of Secondary Examination -12th (Percentage: 71.00%) Vizag, Andhra Pradesh
- DAV PUBLIC SCHOOL BHATGAON** 2016 - 2017
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, BeautifulSoup, 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, BeautifulSoup.
- 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

[GitHub](#)

- 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

[GitHub](#)

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

[LeetCode](#)

CERTIFICATION

- AWS Cloud Technical Essentials
- Ethical Hacking: System Hacking

[Coursera](#)

[Coursera](#)