Amandeep Kaur

Aspiring Software Developer

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SUMMARY

I am a Computer Science student eager to apply my knowledge in programming, data structures, web development, and database management to real-world challenges. With a strong foundation in Java, Python, Django, and MySQL, I aim to develop my skills in software development and problem-solving. Passionate about creating efficient solutions, improving performance, and working on innovative projects. I am looking for a challenging and growth-oriented environment to apply my technical skills and analytical abilities.

EXPERIENCE

Java Intern, Destination Codegnan, Bengaluru   **Feb 2025 — May 2025**

Assisted in designing, developing, and debugging **Core Java applications**, focusing on **OOP principles**, **multithreading**, **exception handling**, and **collections framework.**

- Worked on implementing **sorting algorithms**, **searching techniques**, and data structures like **arrays**, **linked lists, stacks**, and **queues** to optimize performance.

Python Intern, Skill Bout, Bengaluru   **Oct 2022 — Nov 2022**

Completed an internship focused on Python programming, gaining hands-on experience with core Python concepts such as variables, data types, control structures, loops, functions, and file handling.

- Practiced essential Python data structures including lists, tuples, sets, strings, and dictionaries, and developed small-scale Python projects to strengthen practical coding skills.

EDUCATION

B.E. in Computer Science & Engineering - *Guru Nanak Dev Engineering College Bidar (8.6 cgpa)* **Nov 2021 — May 2025**

Intermediate - *Govt. Sen. Sec. Residential School For Meritorious Students Mohali,Punjab (88.4%)*   **Nov 2020 — Mar 2021**

Matriculation - *Govt. Sen. Sec. School Patiala ,Punjab (94.5%)*   **Apr 2018 — Mar 2019**

SKILLS

Programming Languages	:	Java, Python, C
Web Development	:	HTML, CSS, JavaScript, Django(Web Framework)
Database	:	SQL(MYSQL)
Development Tools	:	VS Code, IDLE, Eclipse, Turbo C

CERTIFICATIONS

Java(Basics), HackerRank   **May 2025**

Python, Infosys Springboard   **Jun 2023**

HTML,CSS, Infosys Springboard   **Jul 2023**

PROJECTS

Quiz Application   **Apr 2025 — May 2025**

- Developed a simple quiz game in Java using OOP concepts, allowing users to answer 10 multiple-choice questions with lifelines such as Audience Poll, 50/50, and Skip.
- Added user details (name, city, age), prize levels, and a checkpoint system to secure minimum winnings for incorrect answers.

Intruder Detection System   **Nov 2024 — Jan 2025**

- Developed a real-time intruder detection system using ESP32-CAM and PIR sensor to capture images and send alerts via Gmail when motion is detected.
- Implemented a buzzer for instant audio alerts, enhancing security in residential, office, and industrial environments.

Steganography: Hiding Data in Images   **May 2024 — Jun 2024**

- Built an image steganography application to hide secret messages inside images using the Least Significant Bit (LSB) algorithm.
- Created a GUI with two main options: *Hide Message*—to embed the secret in an image, and *Read Message*—to extract the hidden text.

LANGUAGES

English, Hindi ,Punjabi