

Saksham Bawa — CV

Sate – Punjab, Country – India

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Objective

Tech nerd and a passionate Creator who is trying to build a positive community to help people to become more productive and happy in their lives.

I am deeply passionate about technology and its transformative potential to shape the future. I thrive on exploring innovative solutions, embracing emerging trends, and leveraging cutting-edge tools to solve complex challenges. Driven by curiosity and a commitment to growth, I aim to contribute meaningfully to advancements in the ever-evolving tech landscape.

As a computer science engineer, my expertise lies in areas such as software development, algorithm design, data structures, and system optimization. I am skilled software engineer and leveraging these to develop innovative, scalable, and secure solutions.

I am committed to driving technological excellence and contributing to impactful projects that shape the future.

Education

Lovely Professional University

Jalandhar, Punjab

Bachelor of Technology in Computer Science and Engineering,

2022 - Present

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Database Management Systems, Artificial Intelligence, Computer Networks, Software Engineering

The Senior Study 2 School

Amritsar, Punjab

Senior Secondary School Certificate (12th Grade), Percentage: 69.5%

2021 - 2022

Key Subjects: Physics, Chemistry, Mathematics, Computer Science

Skills

Programming Languages: C++, C, Java, HTML, CSS, Javascript

Tools/Technologies: Git, Github, DevOps, AI and ML, Cloud

Computing

Fundamentals : Operating System, Computer Network, Computer Architecture

Operating Systems: Linux, Windows, MAC IOS

Databases: MySQL, MongoDB

Soft Skills: Critical Thinking, Analytical Skills, Hardworker, Innovative, Risk Taker, Leadership.

Open To Work

Software Engineer

Quantitative Researcher

Quantitative Trader

Machine Learning Engineer

Projects

- **Project 1 - Developed a GUI-Based High-Level Calculator with a java** July'2024

Tech stacks: JAVA with Graphical User Interface

- **Project Overview:** Developed a GUI-Based High-Level Calculator with a java Programming language where I used Input Handling, Advanced Operations, Error Handling, and Interactive GUI as a Output.
- **Tech stacks used:** Java Programming with Graphical User Interface(GUI). I used java Fx as for GUI. JavaFX provides a modern way to create graphical interfaces with buttons, text fields, and event handling.

- **Project 2 – Developed a web page for storing groceries online** October' 2023

Tech stacks – HTML, CSS, Javascript and Bootstrap

Project Overview: The project involves developing a web application for storing and managing groceries online.

- **Add grocery items:** Enter details such as name, quantity, and category.
- **View stored items:** Display a list of groceries in an organized manner.
- **Edit or delete items:** Update details or remove items as needed.
- **Search and filter:** Quickly find specific items based on criteria.

The use of **Bootstrap** ensures the application is visually appealing and works seamlessly on different devices. **JavaScript** provides the interactivity required for a smooth user experience, while **HTML** and **CSS** establish the structure and style of the application.

Certifications

- | | |
|---|---|
| • The Bits and Bytes of Computer Networking by Google | 6 th sept'23 – 18 th Jan'24 |
| • Complete Interview Preparation - Self-Paced (C++) by GFG. | 6 th Dec'23 – 12 th May'24 |
| • Introduction to AI and Machine Learning on Google Cloud | 7 th Jan'24 – 26 th August'24 |
| • Ethical Hacking Essentials (EHE) by EC Council | 24 th july'24 – 12 th Nov'24 |

Achievements

- | | |
|--|----------------|
| • Won a Star Pupil in class 12 | February'2022 |
| • Cracked Codekaze Round - 1 and Round -2 by Coding Ninjas | September'2023 |

AI Recommendations for Improvement

Recommendation 1: **Technical Depth in Advanced Topics**

- Complete practical certifications in advanced ML (e.g., TensorFlow, PyTorch).
- Work on a project involving real-world ML applications, such as predictive modeling or natural language processing.

Recommendation 2: **Project Portfolio**

- **Current Status:** The projects listed are basic and lack complexity or direct alignment with cutting-edge technologies.
- Highlight measurable impacts or unique features in existing projects.

Recommendation 3: **Certifications for Competitive Edge**

- Obtain certifications such as AWS Certified Developer, Certified Kubernetes Administrator (CKA), or Advanced Ethical Hacking.
- Enroll in advanced coding or competitive programming courses to sharpen algorithmic problem-solving skills.

Recommendation 4: **Soft Skills and Networking**

- Take part in hackathons, coding competitions, or leadership roles in tech communities to strengthen your profile.

Self - Assigned Tasks (Till 10th week of this semester)

- **Task 1 ;** Complete practical certifications in advanced ML (e.g., TensorFlow, PyTorch).
- **Task 2 ;** Enroll in advanced coding or competitive programming courses to sharpen algorithmic problem-solving skills.
- **Task 3 ;** Take part in hackathons, coding competitions, or leadership roles in tech communities to strengthen your profile.

Targets Allocated (Till 10th week of this semester)

Targets Approved by Course Instructor :

- Completed certification [Natural Language Processing on Google Cloud]. 25th March'25
- Currently and Pursuing in [Machine Learning on Google Cloud]. [2th Feb'2025 -]
- Currently and Pursuing in Cloud Computing in [NPTEL] – [20th Jan '25 - 23th May '25]

Signatures

Saksham Bawa

Student's Full Name

Roll No - 39 , Reg No - 12209638

Instructor's Full Name