**JAIDEEP SINGH**

**SOFTWARE ENGINEER**

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**OBJECTIVE**

He is a passionate **Computer Science** student, eager to apply his skills in **programming** and **problem-solving** to real-world projects. He love diving into new technologies and collaborating with teams to create innovative solutions. He is excited about opportunities where he can learn, contribute, and make a positive impact while growing both personally and professionally."

**PROFESSIONAL SUMMARY**

Experienced engineer proficient in **Python programming, C, C++,** and **networking** technologies with a strong foundation in **software development** and **system design**. With hands-on experience in **software development** and a deep understanding of **networking protocols** and **architectures**, I am well-equipped to contribute effectively to projects requiring a mix of **technical skills** and **problem-solving abilities**.

**SKILLS**

* **Python programming language**

In python programming language he has used several libraries like **numpy** , **pandas , tensorflow** ,**matplotlib** , **openCV** ,**pyautogui** and modules like **face\_recognition** , **speech\_recognition** , **scikit-learn** , **scipy**, gtts, pygame,

* **C programming language**

In c programming language he has used libraries and modules like **stdio.h** , **stdlib.h** ,**string.h** ,**math.h** ,**time.h**

* **C++ programming language**

In **c++** programming language he has used concepts of **opps**

* **Networking**

He has deal with **switches** , **routers** ,**server rooms** , **L-1 support** and has managed the **helpdesk** in **sbilife** (regional office) branch

* **Machine learning**

In machine learning jaideep have hands on basics of **supervised learning** ,**unsupervised learning**

* **Ethical hacking**

He have a brief knowledge about **malware attacks** , **password attack** ,**password complexity** , **different types of SQL injection attack**

* **Cyber security**

Introduction to **security frameworks** and **controls** , **secure design** , **controls** , **framework** , **compliance** , common **security tools** , **security tools for business operation**

* **AI prompting**

He has a intermediate level of ai prompting and has hands on on some popular ai tools like **ChatGPT**, **blackbox** , **google bard** , **midjourny**, **Dall-e 3.**

**PROJECTS**

* **Face recognition**

This is a face recognition program which uses **OpenCV** for recording the frames of face , **haarcascades classifier algorithm** is used to detect the face **pandas** is used to show the data frames while the data captured by webcam is stored in **cvs file** , **matplotlib** is used for image plotting, **face\_recognition** module is also used.

* **AI\_assistant**

This project contains some important libraries like **tensorflow** (deep learning library) , **matplotlib**(for plotting graphs) , **opencv**(computer vision library) , **gtts**(google text-to-speech) , **webbrowser**(for web operations) , **pygame**(multimedia library) here speech will be recognised by **speech\_recognition** module and it uses **gtts** service to create an audio file and then **pygame** library to play that audio.

**PROFESSIONAL EXPERIENCE**

* **Network engineer**   *March 2023-April2023*

He has successfully completed one month internship with **Scogo Networks Private Limited** at **SBI Life insurance Co Ltd** ,there he has performed roles of a network engineer like routine check up of **servers** ,(because it was regional office so it contain more than 1000 worker and all over rajasthan), **provide cloud security** ,**L-1 support** .

**CERTIFICATIONS**

* **C++** *October 2023-November 2023*

Successfully completed 45 days of internship in **c++** technologies at **Bodacious It Hub**.

* **Python for data science & Ai development** *March 2024*

It was an online non credit course authorised by **IBM** and offered by **Coursera.**

* **Machine learning** *July 2023- September 2023*

It was a summer internship and training program which was organised by **Upflairs Pvt.Ltd.**

* **Foundation of Cyber security**

It was an online non credit course authorised by **Google** and offered by **coursera**.

* **Ethical hacking essentials**

It was an online non credit course authorised by **EC-Council** and offered by **coursera**

* **Machine learning**

It was an online non credit course authorised by **IBM** and offered by **coursera.**

**EDUCATION**

* **BTech (computer science branch)** *2021-2025*

Arya College Of Engineering , kukas , Jaipur , rajasthan

* **Senior secondary school (PCM)** *2021*

My Own School , Jaipur , Rajasthan

* **High school** *2019*

My Own School ,Jaipur , Rajasthan

**SOFT SKILLS**

* Communication and Collaboration Skills
* Time Management & Being proactive
* Networking & Critical thinking