



BRIEF SUMMARY

Dedicated Computer Science and Engineering Student with Proficient skills in C++ and Python, seeking full-time or contract full-stack opportunities. Passionate about recognizing patterns, innovative solutions, and self-improvement. A determined learner with interests in contemporary art, music, and connecting with others, always striving to enhance skills and knowledge.

EDUCATION

Chandigarh University B.Tech. - Computer Science & Engineering CGPA: 8.16 / 10	2021 - 2025
Th. Kanshi Ram Memorial Sen. Sec. School Chetru, Kangra 12 th HPBOSE Percentage: 90.40 / 100	2020 - 2021
Adarsh Model Public School Tiara, Kangra 10 th HPBOSE Percentage: 80.20 / 100	2018 - 2019

TRAINING

Internshala Taining Web development Intern CSE	10 Aug, 2023 - 10 Sep, 2023
<ul style="list-style-type: none">The training provides learning in HTML, CSS, and MySQL, covering fundamental concepts and required web development skills fully.It offers hands-on experience through projects, enabling participants to apply knowledge and gain confidence in web development.	

PROJECTS

Perplexcity-ai-app Key Skills: Software Engineering, AIML, Web API	01 Jan, 2023 - 10 Jun, 2024
<ul style="list-style-type: none">Developed and deployed AI-powered Learning Management System utilizing machine learning and NLP to enhance performance analytics.Personalized learning, and user engagement, resulting in improved learner satisfaction and retention rates, and reduced administrative tasks for teachers.	
AI Powered Search Engine Key Skills: Software Engineering, AIML, API	05 Jun, 2022 - 01 Jan, 2023
<ul style="list-style-type: none">Led development of genAI, an AI-powered search engine leveraging NLP and machine learning, with scalable backend infrastructure.User-centric design, built using ReactJS, Node.js, Elasticsearch, and Google APIs enhanced search functionality and personalize user experience.	

SKILLS

Languages:	C/C++, Python, Java
Frontend:	HTML, CSS, JavaScript
Clouds & Database:	MYSQL, AWS
Technical Tools:	MS-Word, PowerPoint, VS code, Power Bi, Figma
Interpersonal Skills:	Leadership Skills, Public Speaking, Time Management

PUBLICATIONS & RESEARCH

- [1] Simran, Sonu kumar and N. T. Singh (Nov. 2023). "The AI Shield and Red AI Framework: Machine Learning Solutions for Cyber Threat Intelligence(CTI)". In: 2024 International Conference on Intelligent Systems for Cybersecurity (ISCS) 100.18, pp. 1–7.
- [2] Simran, Sonu Kumar and N. T. Singh (Nov. 2023). "Enhancing Contextual Understanding in GPT through Multimodal Pre-training". In: 2023 International Conference on the Confluence of Advancements in Robotics, Vision and Interdisciplinary Technology Management (IC-RVITM) 100.18, pp. 1–7.
- [3] Simran, Sonu kumar and N. T. Singh (Mar. 2024). "Quantum Intelligence: Merging AI and Quantum Computing for Unprecedented Power". In: 2024 International Conference on "Trends in Quantum Computing and Emerging Business Technologies" (TQCEBT) 100.18, pp. 1–7.