

## CURRICULUM VITAE

### Sukhwinder Singh

17 Perkins Drive, Brampton

L7A 3W2

+1 437-922-3242

[Sukhwinder.singh2@Mygeorgian.ca](mailto:Sukhwinder.singh2@Mygeorgian.ca)

[Sukhsinghturka02@gmail.com](mailto:Sukhsinghturka02@gmail.com)

[www.sukhpanjokhra.wordpress.com](http://www.sukhpanjokhra.wordpress.com)

### Education

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- Sep 2022 – Apr 2023    Georgian College, Barrie Campus, Canada  
Big-Data Analytics (BDAT)  
Certificate Course
- Jan 2022 – Aug 2022    Georgian College, Barrie Campus, Canada  
Artificial Intelligence - Architecture, Design, and Implementation  
Certificate Course
- Aug 2017–July 2019    Thapar Institute of Engineering and Technology, India  
Master of Engineering (M.E.)  
Major: Computer Science and Engineering  
Advisor: Dr. Parteek Kumar and Dr. Sanmeet Kaur  
Project:- Denial of Distribution service attack  
Thesis: - Forecasting of soil moisture using Time Series Analysis

Aug 2012–July 2015    Maharishi Markandeshwar University, Mullana, India

Bachelor in Technology (B.Tech)

Major: Computer Science and Engineering

Aug 2009–June 2012    Punjab State Board of Technical Education, India

Diploma in Computer Engineering

2009                      Punjab School Education Board, India

## **Employment**

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Sep 2022 - Present    **Peer Tutor**

Georgian College, Barrie

- Helping students to set goals for themselves and motivating them to achieve those goals with praise and rewards
- Creating, conducting, and grading realistic practice tests and providing feedback on student performance
- Sharing informative study guides and other teaching materials
- Recording information about students or groups of students and making notes about their lesson plans and progress

Mar 2022 – Present    **Security Guard**

Commissionaires Great Lakes

- Official Document Services of Ontario (ODS- Ontario), Toronto
- Museum London, London
- Service Canada, Mississauga

- Providing On-call services for the backfill positions.
- Providing Access control services to the contractors for a building.

Aug 2019 – Oct 2021 **Research and Development Engineer**

Council of Scientific and Industrial Research, India

Responsibilities

- Development of the Online portal smartfasal.in and Digital-village.co.in
- Building prototype for the Internet of Things (IoT) device
- Analysis and Visualization of the data
- Processing and Modeling of the Data
- Documentation of the results and studies

Feb 2020 – July 2021 **Part-time Information Technology Instructor**

Netmax Technologies PVT. Ltd

Responsibilities

- Teaching and Following-up duties.
- Preparing PowerPoint, Documentation, Google Colab/ Jupyter.
- Online quiz evaluation and Assignments of students.
- Reporting marks for the certification issuance.

Aug 2015– July 2017 **Data Analyst**

Aspire Web Tech, Chandigarh

### Responsibilities

- Collecting and Interpreting Data
- Analyzing Results
- Reporting the results back to the relevant members of the business
- Identifying patterns and trends in the datasets
- Working alongside teams within the business or the management team to establish business needs
- Defining new data collection and analysis processes

### Publications

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1. Singh, S., Kaur, S., & Kumar, P. (2020). Forecasting soil moisture based on evaluation of time series analysis. In *Advances in Power and Control Engineering* (pp. 145-156). Springer, Singapore. [10.1007/978-981-15-0313-9\\_11](https://doi.org/10.1007/978-981-15-0313-9_11)
2. Singh, S., Alam, P., Kumar, P., & Kaur, S. (2019, November). Internet of Things for Precision Agriculture Applications. In *2019 Fifth International Conference on Image Information Processing (ICIIP)* (pp. 420-424). IEEE., [10.1109/ICIIP47207.2019.8985688](https://doi.org/10.1109/ICIIP47207.2019.8985688)

### License and Certification

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1. Certified by Udemy for Machine Learning A-Z™: Hands-On Python & R In Data Science
2. Certified by Udemy for Python for Time Series Data Analysis
3. Certified by Udemy for Practical IoT Concepts-Devices, IoT Protocols & Servers

4. Certified by Udemy for Deep Learning A-Z™: Hands-On Artificial Neural Networks
5. Verified International Academic Qualifications Issued by World Education Services
6. AWS Academy Graduate - AWS Academy Cloud Foundations issued by Amazon Web Services Training and Certification
7. AWS Academy Graduate - AWS Academy Machine Learning Foundations issued by Amazon Web Services Training and Certification
8. Intermediate SQL for Data Scientists issued by LinkedIn learning

### **Social Links** \_\_\_\_\_

Github: <https://github.com/sukha002>

LinkedIn: <https://www.linkedin.com/in/sukhaa02/>

YouTube:// Sukhwinder Singh

Twitter: @sukhpanjokhra

### **Extra-Curricular Activities** \_\_\_\_\_

- Tabular-attended in the Municipal election of city of Brampton- 2022.
- Associate Life member of Red Cross India.
- Member of Thapar placement council 2018-19.
- M E Class representative 2018.
- Performed artist role in play/Instrument (Tabla) at the school level.
- Delivered a lecture on multiple parallel processing systems to students in TIET.

### **References** \_\_\_\_\_

Dr. Parteek Kumar Bhatia

Dr. Sanmeet Kaur

Computer Science and Engineering Department,

Thapar Institute of Engineering and Technology, India

Garima Malik, Professor

Ross Bigelow, professor

Katie Tiwari, professor

Computer Studies,

Georgian College, Barrie, Canada

Hardika Hardika, supervisor

Cheryl Wells, Regional Manager

Commissionaires Great Lakes, Canada