

Sukhman Singh

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Objective: Aspiring data engineer and software developer with hands-on experience in machine learning, neural network model development, and predictive analytics. Proven track record in leading international research teams and publishing technical content. Seeking an internship opportunity to leverage my technical skills and contribute to innovative projects in a dynamic and collaborative environment

Professional Experience:

National Aeronautics and Space Administration: Great Lunar Expedition for Everyone

- Team Leader for Team 3055 for the international research program.
- Worked on the testing and experimenting on the Lunar Scientific Architecture Technology (LUNASAT).
- Currently, working on the development of a neural network model to predict the lunar environment.

Comet: Heartbeat Publication Writer

- Data science and machine learning freelance writer for the Heartbeat Publication at Medium.com.
- Published three major articles about Room Occupancy Detection, Pima Indians Diabetes Prediction and Cardiovascular Disease Prediction.
- Drafted well defined content with proper documentation about the code and the algorithm.

Oasis Infobyte: Data Science Intern

- Summer intern in the Data Science Internship program at Oasis Infobyte.
- Applied various machine learning algorithms and techniques to build predictive models, optimizing model performance through hyperparameter tuning.

Volunteer Experience:

SAIT Students' Association (SAITSA)

- Passionate student volunteer, providing volunteer service to all the major events.
- Promoted SAITSA and student advocacy at Big SAIT Welcome
- Worked for Equity, Diversity and Inclusion at SAIT.
- Reported the progress and issues to the volunteer manager.

CICAN24 (College Institutes Canada 2024) Conference Volunteer

- Represented SAIT as a volunteer among thousands of attendees.
- Facilitated smooth registration, as a registration officer.
- Setting up the equipment and rapidly solving conflicts at the conference.

Inventures 2024 Conference Volunteer

- Supported various services and facilitated conference proceedings.
- Communicated effectively with the attendees at the conference.
- Facilitated proceedings at the conference as a attendee guide and floater.
- Received a letter of recognition from Kattie Soppet, Business Partner of Alberta Innovates, for efforts and dedication of 12.5 hours of volunteering.

Education:**Southern Alberta Institute of Technology (SAIT)**

Software Development Diploma (School of Advance Digital Technology)

Semester-1: 3.94 GPA

Technical Skills:

- Python
- JavaScript
- C#
- CSS
- HTML
- SQL
- Machine Learning and Deep Learning Libraries – Scikit Learn, TensorFlow, Keras, PyTorch
- Data Analysis Libraries - Pandas, Numpy, Matplotlib, Seaborn, Folium

Portfolio:

- Portfolio Website: www.sukhmansingh.tech
- GitHub Portfolio Repository: <https://github.com/SUKHMAN-SINGH-1612/Data-Science-Projects>

Certifications

- IBM Data Science Professional Certification
- IBM AI Engineering Professional Certification
- IBM Applied Data Science Specialization
- Intermediate First Aid CPR Level-C