

# Hitarth Khurana

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## Technical Skills

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Python, C, HTML, CSS, Bash, Flask, JavaScript, AWS, SQL, WSL, Jira, Power BI, Git, SAP, Figma, Arch Linux

## Experience

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### International Solar Alliance (ISA)

Jul – Aug 2023

#### *Technical Project Management Intern*

- Integrated SAP ByD, JIRA, and Confluence, achieving **30% boost** in project management efficiency
- Generated technical and financial reports using **SQL queries**, aiding donors in decision-making
- Orchestrated end-to-end deployment of **SAP ERP** using a blend of Agile and Waterfall Methodologies

### RAD Data Communications

May – Jun 2023

#### *Technology Analyst*

- Spearheaded test initiatives for L2/L3 Edge Network switches utilizing **Wireshark** for network packet analysis
- Employed **Git** for version control of network configuration scripts and used **tcpdump** for protocol validations
- Collaborated with cross-functional teams via Slack and JIRA, enhancing productivity by 25%

### Cryptocracy

Apr 2020 – Present

#### *Cybersecurity & Cryptography Co-founder and Organizer*

- Launched an international Capture the Flag competition using Ciphers and Cyberchef for cryptography and **Burp Suite, Audacity, and Wireshark** for forensics and information security challenges
- Coordinated real-time collaboration and event logistics for a **global audience of 2000+**

### Velocity Startup Incubator

Jan – Apr 2023

#### *Campus Ambassador*

- Fostered relationships with key startup founders in the Kitchener-Waterloo Region through the Alumni network
- Directed large entrepreneurship events, boosting student **participation by 40%** and elevating startup culture

## Projects

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### Prepresent

- Trained emotion detection system utilizing **TensorFlow, NumPy** and **Pandas** with **Python** for real-time inference, **OpenCV** for live video processing and constructed a dynamic backend using **Flask**
- Garnered the First Prize and Most Popular Award at Project Program, UWaterloo's CS club

### Concord: Innovation in Packaging

- Prototyped innovative notebook packaging using tools like **Blender and SolidWorks**
- Achieved recognition by advancing to the Global Finals of the esteemed Conrad Challenge

### Portendo

- Created a Machine Learning algorithm in **Python** to protect vulnerable communities during natural calamities
- Became one of the top 10 projects in the World Series of Innovation hosted by NFTE

## Awards & Research

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- **Silver Medal**, GENIUS Olympiad (Innovation Challenge) held by Rochester Institute of Technology
- **Bronze medal** as part of the **Indian Team** at the Asian Pacific Linguistics Olympiad
- Researched and Published Manuscript on Digital Technology Usage in COVID-19

## Education

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### University of Waterloo

Waterloo, ON

#### *Bachelor of Computer Science Honours*

Sep. 2022 – Present

- International Student Scholarship and President's Scholarship of Distinction valued at \$15k
- Event Coordinator, MathSoc and attended QCSYS (Quantum Cryptography) Summer School by IQC

### Delhi Public School, Dwarka

New Delhi, India

- Head Boy of Student Council and President of the Technology, Innovation, and Quizzing Club