

# Sankalp Dwivedi

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## Education

**Master of Science (Computer Science)** at *Northwestern University, Evanston, Illinois* Sept 2019 – Dec 2020

- Software Construction, Programming Languages, Compiler Construction

**GPA: 3.56/4**

**Bachelor of Technology (Computer Science)** at VIT University, Chennai, India July 2015- April 2019

- OS, Software Engineering, Computer Networks

**GPA: 8.49/10**

## Experience

**Blueprint Technologies, Bangalore: Data Visualization Intern**

May– June 2018

- Built reusable data visualization modules for SAP Lumira using d3.js in SAP Web IDE. Allows highly customizable data visualization according to the needs of the client.

## Projects

**NFC Attendance Android Application**

- Scans RFID tags installed in student ID cards to store their credentials and use it to take attendance.
- <https://github.com/dwivedisankalp97/NFC-Attendance>

**Go Game**

- Implemented a tournament of Go in python with support for AI players and online multiplayer.
- <https://github.com/dwivedisankalp97/Go-Game>

**Knowledge Visualization from News Articles Using Graph Database**

- Extracts the relationships present between entities in news articles using machine learning and NLP. Feeds the data into a Neo4j database for fast and dependable data retrieval.
- <https://github.com/dwivedisankalp97/Knowledge-Visualization-Neo4j>

**Emotion recognition program using OpenCV in Python**

- Recognises emotion from pictures clicked through the webcam. Made using OpenCV library for python. Used Python, OpenCV.
- Learned to use Fisherface Algorithm for supervised learning on image datasets.

**Network Performance Measurement Tool**

- Project based on finding the network status, CPU, Disk and Memory information of a client and sends it to the server for evaluation every minute. Used C, WinSock.
- Effective tool for gathering metrics and monitoring the state of device. Can help to deduce common network attacks and errors.

## Skill Set

- C and C++
- JavaScript, HTML, XML
- MySQL, Neo4j
- PHP, Python
- Java and Android Programming
- Bash, Git, OpenMP, MPI

## Extra-Curricular Activities

- Participated in VIT Inter-MUN (Model United Nations) 2015 as the delegate of Iran.
- Organized VIT Inter-MUN 2016 as part of Logistics department.
- Coordinated various events focusing on oratory skills of students.