Fateh Karan Singh Sandhu

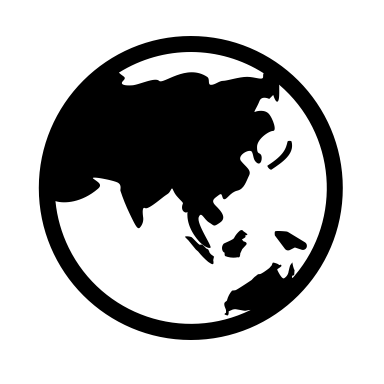
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­ 201 N 18 St Apt 2205, Lincoln, NE, 68508 – *Location Flexible* +1 (206) 777-5818 [fatehkaran@huskers.unl.edu](mailto:fatehkaran@huskers.unl.edu)

Logo, icon

Description automatically generatedGitHub logo PNG[linkedin.com/in/fatehsandhu](http://www.linkedin.com/in/fatehsandhu) [github.com/fsandhu](http://github.com/fsandhu) [fatehsandhu.me](http://www.fatehsandhu.me/)

**TECHNICAL SKILLs**

**Python, Java, JavaScript, C, C#, SQL, HTML, CSS, React, Spring, Node.js, jQuery, Azure, Power BI, Data Structures & Algorithms**

Education

University of Nebraska — Lincoln

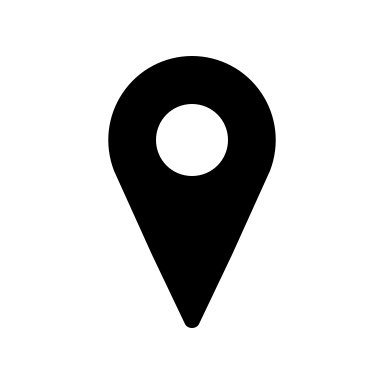
*Bachelor of Science* in *Computer Science* with minors in *Business**&**Mathematics* Expected Graduation: **12/2022**

|  |  |
| --- | --- |
| * GPA: **3.948/4.0** | * **Global Excellency Scholar** |

Professional WORK Experience

NCR-logo - DARTS

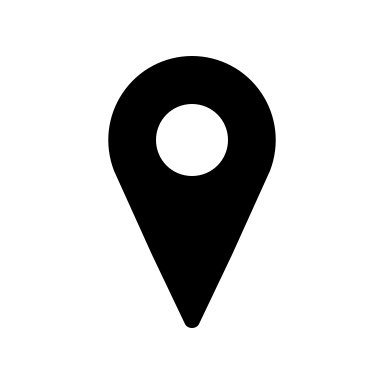
**Software Engineer**  May 2022 – Present

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## *NCR Corporation* ♦ *Internship* Omaha, NE

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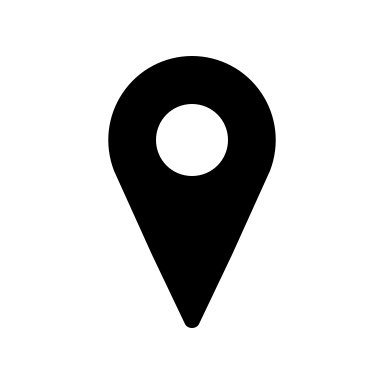
FNBO - YouTube

** Software developer** Jan 2022 – May 2022

## *First National Bank of Omaha* ♦ *Internship* Omaha, NE

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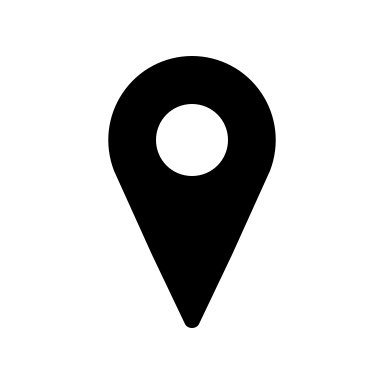
Microsoft Logo Png - Free Transparent PNG Logos

** Associate software DEVELOPER – Microsoft** Sep 2021 – May 2022

## *Raikes School of Computer Science and Management* ♦ *Design Studio Program* Lincoln, NE

* Developed dashboards using telemetry data from Azure that analyze the health of user interfaces, created an alerting system that pings Microsoft engineers for low performing environments and initiated self–healing for certain customer environments.
* Tools used: Kusto / Azure Data Explorer, Power BI, Visual Studio (.NET), SQL, C#, Lens Orchestrator, Power Automate.

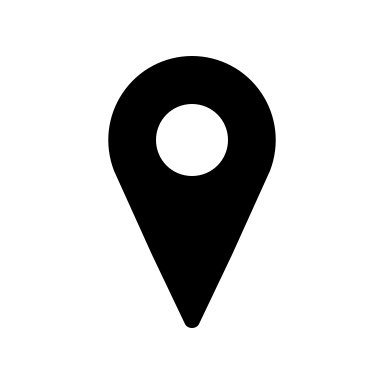
Our Marks | University Communication | Nebraska

** Undergraduate Teaching Assistant & Lab assistant** Aug 2019 – Dec 2021

## *University of Nebraska-Lincoln* ♦ *Part-Time* Lincoln, NE

* Lab assistant for Systems Engineering, recitation aid for Discrete Mathematics. (100-150 students/semester)
* Design coherent problem sets and quizzes which develop the analytical and critical thinking skills of students.

Our Marks | University Communication | Nebraska

** Data Scientist** May 2020 – Aug 2020

University of Nebraska-Lincoln **♦** UCARE Summer Research Lincoln, NE

* Used student datasets to develop a program that predicts student grades, pushing students to study more methodically.
* Tools used: Python, Scikit-Learn, Jupyter Notebooks, Pandas, Matplotlib, Seaborn.

PROJECTS

**Insights using Minneapolis Police Data**

* Used *Machine Learning* on Minneapolis government datasets (>200k records) to analyze the effects of BLM protests.

**PyGame Flappy Bird**

* Built replica of the discontinued indie mobile game Flappy Bird using *Python* – *PyGame* that can be played on any platform.

**Mushroom Classifier**

* Designed an application that helps classify mushrooms as edible or poisonous using constraint databases (*MLPQ*) and *SVMs*.

**Voting System**

* Developed a voting system in *Java* with *MySQL – Hibernate ORM* and front-end built with *JavaFX*.

**Invoicing Application**

* Created a *Java* application that generates invoices from given data – both *Excel* files and *SQL* databases.

**QR Code Generator**

* Built a GUI application that takes in text or weblink and generates a QR Code. Built using *Python* – *Tkinter.*