# Rounak Deshpande

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## Education

**University of Illinois at Chicago**  JANUARY **2023** - MAY **2026** *GPA: 3.90 / 4.00*
*Bachelor of Science in Computer Science*

Relevant Coursework: Cloud Computing, Data Structures, Data Science

Extracurriculars: President of Chess Club, CodePath Software Engineering

## Experience

**Wipro**  **May 2023 – August 2023**
*Software Development Engineer Intern*  *Seattle, WA*
- Developed and implemented an end-to-end application to automate the continuous update of **DynamoDB** store with partner data, resulting in a 15% increase in operational efficiency
- Used **AWS Lambda** and **AWS EventBus** to create a high-performance event parser for **SQS** event messages that is capable of processing over 1,000,000 updates in a millisecond
- Streamlined the work of 5,000 people by onboarding **AWS Partner Funding Service** to new internal API

**Fiverr**  **March 2022 – August 2022**
*Web Development Engineer Intern*  Delhi, IN
- Created and implemented design changes in website leading to a 10% increase in traffic using **Figma** and **WordPress**
- Slashed site hosting costs by $600 per month by communicating with and evaluating new service providers
- Developed and helped manage **Google Ads** campaign with a monthly budget of $10000, leading to increased click rate

**Udyog**  **June 2022 – August 2022**
*App Development Engineer Intern*  Delhi,IN
- Developed interactive, custom story presentation features for a cross-platform app using **Python**
- Debugged CRUD features for the admin interface and user management interface, leading to a 5% decrease in errors

**University of Illinois at Chicago**  Aug 2023 – Present
Technology Specialist  *Chicago, IL*
- Improved LSTM network for a 50% reduction in training and validation loss using **Keras** and **TensorFlow**
- Slashed validation loss by 20% and overall loss by 53% by determining ideal number of epochs
- Extracted and consolidated data from 100+ csv files and analyzed key statistics and values using **Python**

## Projects

Monitoring App | Python on kubernetes
- This project demonstrates the development of a cloud-native resource monitoring application using Python, Flask, and psutil.

**Fitness and Nutrition Buddy** | *Java*
- Created interactive application in **Java** and integrated functionalities designed by multiple team members
- Designed and implemented fun and engaging user interface using **Java** and **FXML**

**SimplePy Interpreter** | *C++, Python*
- Built an interpreter that executes **SimplePy** (subset of **Python**) code for variable manipulation, input/output, and string operations in a **C++** environment
- Integrated algorithn to tokenize and interpret **Python** files that are 50+ lines long

**Volcanic Web Map** | *Python, HTML*  Live App
- Built a multi-layer web map showcasing volcanoes throughout the United States using **Python**, **Folium**, and **Leaflet**
- Implemented legend and popup markers containing additional information and insight using **HTML**

## Skills

**Programming Languages**: Python, Java, C/C++,React,, SQL, HTML, R
**Technologies/Frameworks**: AWS Services VS Code, Git