

Himnish Jain

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EDUCATION

University of Illinois Urbana - Champaign

Champaign, IL

• Bachelor of Science in Computer Science

Aug 2021 – May 2025

• Bachelor of Science in Statistics

GPA: 3.9

• Minor: Economics

• Coursework: Data Structures, Algorithms, Artificial Intelligence, Systems, Computer Architecture

EXPERIENCE

Protiviti Global

Data Science Intern | Python, Tensorflow, Keras, flairNLP

May 2023 - Present

- **Reinforcement Learning:** Developed a Next Best Action predictor for individualized client preferences using a Deep Q-Network that predicted the next two actions to take with a 93% precision.
- **Natural Language Processing:** Converted a codebase from SpaCyNLP to FlairNLP for an internal tool for more optimized Named Entity Recognition.
- **Image Processing:** Devised an algorithm to capture images from PDFs, and detect whether they were usable or not for efficient billing purposes.

Research Assistant at ScribeAR

Real-time live transcription for audibly impaired | Whisper, GPT-4, NLP, Computer Vision

Jan 2023 - Present

- **Whisper CPP:** Implemented an alternate backend to ScribeAR using OpenAI's Whisper CPP, reducing transcription times to around 2 seconds per sentence.
- **Domain Word Extraction:** Helped gather domain word lists which improve performance of ScribeAR in technical word recognition scenarios.

WovV Technologies (SaaS Company)

Java Software Development Intern | Java, SpringBoot, Flutter

May 2022 - Aug 2022

- **Omnichannel Development:** Successfully facilitated the transition of MNC mall corporations to an omnichannel retail strategy, resulting in up to a 90% increase in customer retention rates.
- **E-Commerce Platform:** Created an e-commerce platform that was able to handle high traffic volume during peak times without any major issues alongside a team of 25 people.
- **File Downloader:** Created an optimized software downloading algorithm for multiple file formats that reduced processing time by 30%.

NTT - Netmagic

Business Analytics Intern | mySQL, Python, QlikSense

Dec 2019 - Jan 2020

- **Productivity Improvement:** Examined data trends in Netmagic's HR department over 3 financial quarters using mySQL and external APIs, analyzed the cost to productivity ratio and identified methods to improve it.
- **Model Simulation:** Demonstrated that the implementation of the methods identified would result in a 10% increase in productivity using a simulation.

PROJECTS

- **BlockTix:** A marketplace for the resale of tickets, verified using Blockchain technology.
Solidity, React, Web 3.0
- **UrbanHawx:** A home security software which uses facial recognition to provide a modern security solution.
Python 3, React, OpenCV, Flask, HTML, CSS
- **MoodSpot:** Personalized playlist generation using facial mood detection and machine learning.
Dart, Flutter, Spotify API, Android Studio, Figma
- **Pandemic TD Battles:** A 3D PC game in the Tower Defence genre with shop and timer based logics.
Unity 3D, C#, JavaScript

PROGRAMMING SKILLS

- **Languages:** C++, Python, Java, C#, SQL, Rust, Go, JavaScript, HTML, CSS, Solidity

Frameworks and Technologies: AWS, React, Unity, Kubernetes, Flutter, Node.js, Flask, QlikSense, FlairNLP, Matplotlib, PySpark, Numpy, Pytorch, Pandas, Git, Docker, OpenCV, Whisper