

SAURAV CHITTAL

chittal3@illinois.edu | linkedin.com/in/saurav-chittal/ | github.com/SauravChittal

EDUCATION

University of Illinois at Urbana-Champaign

Aug '20 - May '24

Bachelor's of Science in Mathematics, Minor in Computer Science

GPA: 3.65

Relevant Courses: Algorithms and Models of Computation, Computer Architecture, Data Structures, Introduction to Proofs (Honors), Linear Algebra,

EXPERIENCE

Undergraduate Course Associate - CS124 - Introduction to Computer Science

Aug '21 - Dec '21

- Hosted Office Hours for 500+ students to reinforce their knowledge on fundamental Java Programming concepts
- Produced over 3+ walkthroughs on topics over Imperative Programming, Object Oriented Programming and Data Structures

Summer of Side Projects

Jun '22 - Jul '22

- Conducted social media outreach that resulted in over 400+ student sign ups
- Led workshop for 20+ participants on how to develop side projects and be productive
- Mentored students by providing them weekly feedback on their project submissions

PROJECTS

PokeBot - Discord Bot

Chatbot in Python

- Developed a Discord Bot using Discord.py and Selenium in Python
- Used Selenium to scrape data, and competitively analyze Pokemon in it's generation and tier
- Allowed the user to interface with the utility through Discord.py
- The bot also stores and returns the generations in which the Pokémon had a competitive analysis

Wikispeedia

Wikipedia Speedrun Identifier

- Developed a Wikipedia speedrun finder by implementing graphs in C++
- Implemented a Python Script to scrape Wikipedia Pages
- Calculated the shortest path between two pages using breadth first search

Hydrapedia

Pokémon API with a frontend and backend in ReactJS and expressJS

- Developed a Pokémon API using ExpressJS, and scraped data using Selenium and JSON
- Implemented a frontend interface using ReactJS and CSS to interact with backend

Online Chess Player

Hosting an online chess game in C++

- Led a team of 4 to develop a multiplayer online chess game using C++ and SQL
- Implemented user case of storing results and chess pieces using SQLite
- Hosted the game online using httpLib and tested using curl

TECHNICAL SKILLS

Programming

Python, C++, Java, Kotlin, Javascript, HTML, CSS, MIPS, Verilog

Tools & Framework

Linux, Git, Make, NodeJS, NextJS, CLI, Selenium, PyTorch, SQL + Databases, Shell