

# Harshit Sethi

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## EDUCATION

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### Vivekananda Global University

Bachelor of Computer Applications in Data Science

Jaipur, Rajasthan, India

2024-07-XX - 2028-05-XX

## TECHNICAL SKILLS

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**Languages:** C++, Python, Bash

**Developer Tools:** Git, Docker, Vim, command line, VSCode

**Skills:** SEO, equity trading, Regular Expressions

**Coursework:** Calculus, Linear Algebra, deep learning

**Libraries:** Pandas, Numpy, Matplotlib

## EXPERIENCE

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### Github Models Limited Public Beta

2024-09-XX

*Github*

- Reported a bug in output of various models including Mistral-large, gpt4-0, Phi-3.5-instruct-mini. Utilized Azure Inference SDK through Python to bulk prompt models and compared their output with of playground.

## PROJECTS

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### DietCli | C++, Cmake, RapidJSON, Python, Pandas, Matplotlib

2023-03-XX

- Developed a cross-platform, command-line nutrition tracker with C++ using RapidJSON as a JSON parser, std::ostringstream for buffers, Cmake as build system.
- Automated extraction of RDI amounts from PDF document provided by United States Department of Agriculture using Python and Regular expressions.
- Increased Input/Output speed by **35%** by utilizing const references, RapidJSON and buffering via std::ostringstream. Instead of unbuffered std::cout and Nlohmann-JSON.
- Created a Python program with Pandas, Matplotlib to calculate and generate data visualizations.

### Awesome J2ME | Java, J2ME

2023-07-XX - present

- Created a curated list of **50+ items**, related to J2ME, including tutorials, scientific papers, tools, applications, communities that passed **all 33 automated tests** in first pull request, received 2 approvals within 48 hours.
- Employed advanced techniques like web scrapping, automated tests, reverse engineering, emulating hardware, manual verification, Awesome Lint and community feedback to ensure accuracy and relevance.
- Reviewed **3 other pull requests** and suggested changes.

### PearTok | Go, Gin, HTML, CSS, Javascript, Regular Expressions

2024-04-XX

- Developed a decentralized, peer-to peer token transfer full stack web app. Utilised Go, Gin for the backend. JavaScript, HTML, CSS for the frontend.
- Achieved a **15%** increase in transfer speed by eliminating the need for a central server and utilizing direct TCP connection.
- Improved client side performance by **5%** by using various methods including deferring script download, minifying assets, pattern attribute for script-less client side input verification.

### Personal Website | HTML, CSS

2024-02-XX

- Promoted website through various means including collaborating with webmasters of minimalist web directories, Dev.to, LinkedIn, Github.
- Authored 3+ unique articles on various technical topics employing empirical evidence, charts and persuasive writing.
- Improved SERP ranking by keyword research, meta tags, schema and by utilizing tools like Google Web Console, Bing Webmaster's tools.

### PytenPass | Python, Pypass, Pyperclip, argparse

2022-06-XX

- Developed a non-interactive, command line, cross-platform Keepass client using PyKeeyPass, argparse and PyperClip.
- Reduced user-interaction time by **5 seconds** by implementing Git patching mechanism to incorporate additional functionalities such as copying passwords to clipboard and hardcoding password.

## ACHIEVEMENTS

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- 25%+ profit in equity trading account
- 25+ stars on Github
- 865 out of 8,000 rank** in IPU CET 2024, which consisted of CBSE Class 12 core mathematics, English, computer knowledge, science.