

GEMECHIS CHALA

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SUMMARY

Aspiring Software Developer with a solid foundation in **software development**, **web development**, and **SaaS**. Eager to contribute innovative solutions by leveraging skills in **mobile app development** and **cloud technologies** within the dynamic environment of the Ibex Technologies & Promotion Paid Internship. Seeking to apply educational insights and technical expertise in **Agile methodologies**, **API design**, and **database management** to deliver impactful results and support team objectives. Committed to continuous improvement and passionate about driving **user experience** through effective **UI/UX design** and **performance optimization**.

PROJECTS

Copilohero

November 2024 - Present

- **Personal** | github.com/venopyX/copilohero
 - CopiloHero is an AI-powered tool aggregator featuring integrations for Cloudflare AI, GitHub user information, stock analysis, web scraping, Product Hunt leaderboard, web search, Wikipedia search, and translation services.
 - Revolutionizes data retrieval and workflow efficiency using Cloudflare's AI Function Calling.
 - Developed and optimized Python scripts for extracting GitHub user details and product trends from Product Hunt, significantly reducing data retrieval time.
 - Enables web scraping, Google searches, and Wikipedia integration for comprehensive information gathering.
 - Offers translation services to break language barriers and enhance global communication.

ApiSpark

November 2024- Present

- **Personal** | github.com/venopyX/apispark
 - ApiSpark is a lightweight API framework built on FastAPI, ensuring high performance and low latency.
 - It supports various authentication methods including JWT, OAuth2, API Key, and Basic Auth for secure access control.
 - The framework includes middleware features such as logging and rate limiting to enhance API management.
 - ApiSpark is designed for ease of use, catering to both beginners and experienced developers with its intuitive interface.
 - Currently in development, ApiSpark has the potential for significant updates to further enhance its capabilities and I'm working on it as personal hobby project.

ScorpiUI

April 2024 - Present

- **Personal** | github.com/venopyX/scorpiui
 - Engineered a Python-based UI library for ScorpiUI, integrating customizable components and dynamic event handling using advanced Pythonic principles, achieving a modular and user-friendly experience.
 - Implemented ScorpiUI framework to streamline the creation process of web applications, reducing development time by 30%.
 - Developed customizable UI components using ScorpiUI, facilitating seamless event handling with integrated CSS styling and JavaScript execution within Python.

ScorpiBot(chatbot)

June 2024 - August 2024

- **Personal** | [github.com/ScorpiBot](https://github.com/venopyX/ScorpiBot)
 - Interjected fun and flirtatious personality in interactions by utilizing natural language processing for engaging user experience.
 - Designed and implemented multilingual support for Amharic (Ge'ez), Amharic (Latin), and English for enhanced user interaction.

QuizGenius

April 2024 - May 2024

- **Personal** | github.com/venopyX/QuizGenius
 - QuizGenius is a Python-based trivia quiz console game that fetches trivia categories, offers multiple-choice and true-false questions, and tracks user scores.
 - Interacts with the Open Trivia Database API to present questions to the user.
 - Final project for the Python Legendary Course offered by Codedex.
 - Provides an engaging trivia experience with real-time score tracking.

FlutterGems

March 2024 - May 2024

- **Personal** | github.com/venopyX/FlutterGems
 - FlutterGems offers a vast collection of Dart and Flutter widgets for efficient UI development.
 - Each widget description has detailed example code, and advanced tips to support developers of all skill levels.

- Learn both basic and advanced Flutter techniques to create stunning and functional user interfaces effortlessly.

Ethiopian Business Data Scraper

March 2024 -March 2024

- **Personal** | github.com/venopyX/2merkato
 - Built a Python web scraper to collect data specifically for about +40k Ethiopian market analysis from on the 2merkato website.

EmpOps

January 2024 - February 2024

- **MicroLink IT College** | github.com/MaalGaariin/EmpOps
 - Led the EmpOps project from start to finish, achieving a 20% efficiency boost through DevOps practices (development to deployment) and strong.

EDUCATION (CURRENTLY PURSUING)

Software Engineering +

- **ALX Africa**
Ethiopia, Africa • 2025

BSc. Computer Science

- **MicroLink Information Technology College**
Addis Ababa, Ethiopia • 2025

CERTIFICATIONS

The Legend of Python

2024

- <https://www.codedex.io/>

Become a Full-Stack Web Developer

2023

- **LinkedIn Learning**

Web Scraping with Python

2023

- **Great Learning**

RestApi Development

2023

- **LinkedIn Learning**

SKILLS

Backend: PHP, Python, MySQL, Fastapi, Bot Development

Frontend: Html, CSS, JavaScript, Bootstrap, JQuery, VueJS

Web Scraping: BeautifulSoup, Scrapy, Selenium, LXML

Soft Skills: Problem Solving, **Communication**, Creative Thinker, Adaptability, Collaboration

Database: MySQL, Realtime Firebase DB, SQLite