Collins Kipkemoi

📞 +36206249683 | 🔗 Portfolio | in LinkedIn | ✉ chemerilcollins@gmail.com |

Summary

Dedicated and detail-oriented Computer Science student with strong programming skills, teamwork experience, and a dedication to contributing effectively in any role.

Education

Eötvös Loránd University   **Expected graduation - Jan 2026**
Bachelor of Science in Computer Science   *Budapest, Hungary*
- Relevant Coursework: Algorithms and Data Structures, Databases, Object Oriented Programming, Web Development, Functional Programming, Imperative Programming, Operating Systems

Experience

Ericsson   **December 2024 - Present**
Open Source Contributor - Code compass   *Remote*
- ∗ Contributing to Ericsson's Code Compass open-source tool by enhancing code analysis and visualization features, implementing performance optimizations, resolving existing issues and working on the new UI. Actively participating in code reviews and discussions while adhering to industry best practices for open-source development.

CodeAlpha   **June 2024 - September 2024**
Full Stack Web Developer Intern   *Remote*
- ∗ Developed responsive and interactive front-end interfaces using React.js and designed seamless user experiences in alignment with accessibility best practices. Collaborated on building scalable back-end services with Node.js and Express, and implemented RESTful APIs to facilitate efficient client-server communication.

Technical Skills

Languages: Python, TypeScript, JavaScript, PostgreSQL, Oracle SQL, Java, C++, Mongo DB, php, C#, HTML / CSS, C, Golang
Frameworks: Next.js, React, Node.js, Express, Tailwind CSS, Laravel
Technologies: Rest API, Linux, CI/CD, Jenkins, Git, GitHub, Netlify, Selenium, Beautiful Soup
Developer Tools: VS Code, Postman, JetBrains IDE's

Projects

Gemini Shell | *Python*   **May 2025**
- ∗ Created a Python script that enables direct terminal interaction with Google's Gemini AI, implementing real-time chat capabilities and context-aware responses through the Gemini API.
- ∗ Designed an intuitive terminal interface with features including conversation history management, error handling, and clean exit protocols, allowing users to seamlessly interact with AI directly from their command line.
- ∗ Implemented secure API key management using environment variables and developed a user-friendly setup process with clear documentation for easy deployment.
  -Project Link

WealthFlow − AI-Powered Personal Finance Tracker | *Next.js, Node.js, PostgreSQL*   **January 2025 − Present**
- ∗ Developing a full-stack AI-powered personal finance tracker that helps users monitor income, expenses, budgets and savings in real-time, while providing smart suggestions and financial insights through an interactive dashboard.
- ∗ Building and maintaining RESTful APIs using Node.js and Express together with Next.js, using PostgreSQL as the database for persistence.
- ∗ Designing intelligent features such as spending predictions, low-budget alerts, and savings optimization using AI-driven logic integrated into the application.
- ∗ Enhancing the UI/UX using modular ShadCN components in Next.js.   - Demo

Student Management System | *Node.JS, Express JS, PostgreSQL, JWT, Passport.js*   **September 2024**
- ∗ Developed a backend student management system using Node.js, Express, and PostgreSQL, allowing admins to add, update, and delete student records. Ensured efficient data handling and integrity across all CRUD operations.
- ∗ Implemented Passport.js for authentication and JWT for secure authorization and session management, protecting sensitive operations and ensuring that only authorized users could manage student data.
  -Project Link

Smart Home IoT Automation System | *Python, Tkinter*   **December 2023**
- ∗ Created a Smart Home IoT Simulator with Python and Tkinter for real-time device monitoring and management. Designed object- oriented architecture, integrated sens.
- ∗ Developed an intuitive graphical user interface with dynamic controls for device management, featuring interactive brightness/temperature controls and motion detection simulation. Implemented key features including automated device discovery, customizable automation rules, and a robust event logging system with JSON persistence.
  -Project Link