

## EXPERIENCE

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### SOFTWARE ENGINEERING INTERN

Salesforce | May 2023 - July 2023

- Built a Gen-AI powered, code-refactoring tool for VSCode, using TypeScript and VSCode API and OpenAI API to refactor the developer code into LWS compliant code
- Crafted result-oriented prompts to instruct the LLM on the rules for transformation and streamlined the coding process, eliminating manual debugging and investigations
- Collaborated seamlessly with a globally distributed team, across several time zones

## EDUCATION

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### NATIONAL INSTITUTE OF TECHNOLOGY, CALICUT

Bachelor's of Technology, Computer Science | July 2024

- Cumulative GPA: **9.22** (up to seventh semester).

## LANGUAGES, FRAMEWORKS & SKILLS

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- Proficient in C, C++, JavaScript, TypeScript, Python
- Utilised OpenAI API and VSCode APIs extensively for Internship Project.
- Web Development using React library, and familiarity with Node.js
- Intermediate level familiarity with Linux, shell-scripting and terminal commands.

## PROJECTS

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### PERSONAL PORTFOLIO [github.com/hatim-s/Portfolio.git](https://github.com/hatim-s/Portfolio.git)

- Developed a responsive, dynamic portfolio website with a stunning UI.
- Implemented the website using React.js with Typescript, and TailwindCSS for styling.

### DATABASE MANAGEMENT SYSTEM [github.com/hatim-s/DataBase-Management-System](https://github.com/hatim-s/DataBase-Management-System)

- Implemented fully functional, mini-DBMS with relation caching, disk block buffers, catalogs, indexing and B+ trees and querying on databases using SQL-like language.
- Used Clean-Code standards, version control on GitHub and extensive documentation

### MINIATURE OPERATING SYSTEM [github.com/hatim-s/Operating-System.git](https://github.com/hatim-s/Operating-System.git)

- Developed a comprehensive mini-Operating System using SPL and EXPL.
- Built real-world OS concepts such as paging, scheduling, process swapping, interrupt service routines, system calls, process synchronization, resource allocation, in a modular design.

### SORTING VISUALIZER [github.com/hatim-s/Sorting-Algorithms-Visualizer.git](https://github.com/hatim-s/Sorting-Algorithms-Visualizer.git)

- Crafted an interactive sorting algorithm visualizer using ReactJS to provide users with valuable insights into the run-time workings of various sorting algorithms.
  - Implemented Merge Sort, Quick Sort, Insertion Sort, Bubble Sort and Selection Sort
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