

HATIM SHAKIR

Software Engineer | Computer Science | Mentor

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PROFESSIONAL EXPERIENCE

Salesforce | Software Engineering Intern – Lightning Web Security Team

May, 2023 – July, 2023 | Hyderabad, India

- Designed and built **LWS CopilotGPT**, a Gen=AI powered, code refactoring tool for 10,000+ Salesforce developers to convert their code into LWS compliant code, saving an average 10+ hours of manual team investigations for every case
- Used Typescript, Node.js and VSCode API to build the extension, and **OpenAI API** to power it up

SKILLS

Languages: C, C++, Javascript, Typescript, Python, HTML, CSS, Scheme, Verilog, Assembly

Technologies: React.js, Git, Docker, Bash, TailwindCSS, MUI, Vercel

EDUCATION

National Institute of Technology, Calicut

Dec, 2020 – Aug, 2024

Bachelors of Technology, Computer Science and Engineering

Course-work: Data Structures and Algorithms, Operating Systems, Compilers, Data Mining, Natural Language Processing

Cumulative GPA: 9.22

PROJECTS

Personal Developer Portfolio

github.com/hatim-s/Portfolio.git

- Crafted a responsive, functional portfolio website with a stunning User Interface.
- **Tech-stack:** React.js, Typescript, TailwindCSS, Git, Vite, Vercel

Database Management System

github.com/hatim-s/DataBase-Management-System

- Implemented a fully-functional mini-relational DBMS, with caching, disk block buffers, catalogs, indexing, B+ trees and querying using a SQL-like language
- **Technologies used:** C++, OOPs, GDB, Git

Sorting Algorithm Visualizer

github.com/hatim-s/Sorting-Algorithms-Visualizer.git

- Created an interactive visualization tool to analyze run-time of 5 different sorting algorithms
- **Tech-stack:** React.js, Javascript, CSS, Git, Vercel

Mini-Operating System

github.com/hatim-s/Operating-System.git

- Developed a comprehensive operating system, in a modular design fashion using SPL and XSM
- Integrated **real-world OS features** such as bootstrapping, system calls, interrupt service routines, process scheduling, virtual memory, process synchronization, resource allocation.
- **Technologies used:** XSM simulator, SPL, Git