Kunal Sahay

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SKILLS SUMMARY

Languages:	JavaScript, Typescript, Python, C/C++, SQL, Go, HTML/CSS
Frameworks:	React, Angular, Node.js, Express.js, FastAPI, MongoDB, Firebase, Postgres
Tools:	Git, Postman, REST APIs, Linux, Docker, Kubernetes
Skills:	Back-end, Front-end, Agile, Unit-testing, Micro-services, CI/CD

EXPERIENCE

Graduate Intern Technical - Intel India   July 2022 – June 2023
Certificate   *Bangalore, India*

- Developed and collaborated with a team of 7 people to build a Low Code Solution for abstracting Intel OpenVino Framework
- Implement unit tests for the entire codebase
- Developed and Deployed Frontend microservice using webpack
- Demostrated the solution to 5 clients
- **Tools and Technologies used:**Angular, Typescript, Jasmine, Rxjs, Docker, FFmpeg, Nginx

PROJECTS

ByteCode | *React, Nodejs, PostgreSQL, Firebase, Docker*   Code
- ∗ An online judge inspired by Leetcode where users can practice coding problems
- ∗ Built a containerized executor microservice for secure and efficient code execution
- ∗ Implemented user authentication using JWT
- ∗ Utilized file based database to retrieve test cases efficiently

ContextGPT | *Langchain, FastAPI, React*   Code
- ∗ An interactive application where users can chat with their own data using the Large Language Model
- ∗ User has the option to select models like GPT-4 or any hosted model using inference API
- ∗ User can provide data in the form of pdf, doc, links etc.
- ∗ Utilized Langchain Modules, ChromaDB to make data pluggable for LLMs

ShopQuest | *MongoDB, Express.js, React, Node.js*   Code
- ∗ A full stack e-commerce application with product listing, category selection, and recommendation system
- ∗ Implemented user and admin routes with separate dashboards along with authentication using JWT

Algorithm Visualizer | *React*   Code
- ∗ An interactive web application that allows users to create a grid, designate start and end points, and visualize graph algorithms such as BFS, DFS, Bellman-Ford, etc. for finding shortest paths
- ∗ Users can create custom grids, defining obstacles and pathways for algorithm simulations

Codel | *React, Go, Firebase*   Code
- ∗ An interactive game where the user gets 5 choices to correctly predict the coding language from the given code snippet

EDUCATION

National Institute of Technology   Hamirpur, H.P.
Master of Technology in Computer Science and Engineering   *Aug. 2021 – July 2023*