Tayseer Mohammed Farooq

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ABOUT

I'm a software engineering graduate with a passion for computer science, always eager to learn and explore new technologies. I thrive on tackling challenges and am excited to contribute to innovative projects.

EDUCATION

B.E. Computer Science & Engineering   Visvesvaraya Technological University, India   May 2024

TECHNICAL SKILLS

Programming Languages	:	C/C++, Python, SQL, JavaScript,
Software Tools	:	Django, GitHub, MySQL, MS Office
Operating Systems	:	Linux, Windows, MacOS
AI Tools	:	OpenAI, Perplexity, Copilot, Grok, Anthropic, Gemini

WORK EXPERIENCE

Software Engineer -   Zyfora Crafts Pvt. Ltd.   Jan 2025 – Present

- Built scalable web and mobile apps using **Django, React, and Flutter** for client projects.
- Built a custom **CRM system** for a client to manage their customer interactions and operations efficiently.
- Handled **client communications and requirement analysis**, ensuring timely and tailored software delivery.
- Managed the **SDLC**, deployments, and **GitHub** workflows for smooth release cycles.
- Guided interns, maintained documentation, and collaborated on UI/UX enhancements.

Web Development Intern   MotionCut   Sept 2023 – Oct 2023

- Developed a responsive portfolio website enhancing user experience through layout and design techniques. **(HTML, CSS)**
- Created an E-Commerce product page with dynamic event handling and multi-responsive design. **(HTML, CSS, JavaScript)**
- Built a To-Do List application with functionalities for task management and user authentication. **(Django, HTML, CSS, SQL)**
- Designed a quiz platform implementing quiz-taking and leaderboard features.

PROJECTS

Comprehensive Heterogeneous Cluster Development:

- Conducted research to develop a personal computing cluster integrating CPUs and GPUs for parallel computing. *(Linux, MPI)*
- Researching virtualized environments and containerization for efficient resource isolation and scalability. *(QEMU, Docker)*
- Designed benchmarking strategies and test cases to assess workload performance and system stability. *(Python, Shell Scripting)*
- Structured detailed documentation covering system setup, architecture, and optimization methods. *(LaTeX, Git)*

Smart Waste Management System using IoT: [Team of 4]

- Developed a Smart bin which contained of multiple sensors and a microcontroller. **(Embedded-C, IR Sensors, DHT 11, MQ2**)
- Connected the data to the cloud using the ThingSpeak app, enabling supervisors to monitor and control waste management processes remotely and in real-time. (**ThingSpeak API, MATLAB**)
- Integrated a GSM Module to send messages to the authorized person for timely pickups. **(Arduino NANO, SIM800L)**

House Inventory Management System: [Team of 2]

- Designed a Schema for a house inventory which includes creating a website for efficient storage of items.
- Created a backend functionality for data insertion and retrieval. (**Django, SQLite3, BootStrap**)

Real-Time Weather App:

- Developed a weather dashboard using Django and integrated the Weatherstack API to deliver real-time weather information. **(Django)**
- Deployed the application on Heroku ensuring global accessibility and secure API management. **(Heroku, API)**
- Designed an intuitive interface for easy user interaction and accurate weather updates. **(Python, Bootstrap)**

EVENTS

- **HEXATHON:** Attended a sustainable development hackathon hosted by Hexathon and secured a top 20 spot.
- **LEARNATHON:** Completed multiple challenges on different domains by ICT academy.
- **REVA HACK:** Participated in a hackathon hosted by MLS to develop a machine learning application.