Muhammad Usman Altaf

FULL STACK ENGINEER

Details

Valbonne
France
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mu3931368@gmail.com

Links

LinkedIn

Github

Skills

Python

Machine Learning

Deep Learning

NLP

Data Analysis

Tensorflow

Pytorch

Scikit-learn

JavaScript/TypeScript

Java/SpringBoot

Full Stack Development

Software Architecture

Git

CI/CD

Docker

Profile

I am a Software Engineer with 3 years of experience, currently advancing my expertise through a Master's in Data Science and Artificial Intelligence. I excel in developing full-stack solutions and integrating advanced AI techniques to create impactful, tailored solutions that aligns with organizational goals. Effective communicator and innovative thinker, enhancing organizational strengths through customized solutions.

Employment History

Software Developer, Oli Systems GmbH, Germany

AUGUST 2024 — OCTOBER 2024

- Developed and managed smart EV charging sessions within an API, focusing on data integration and information extraction.
- Contributed to research and development of the Flexibility Rewards Simulation model, implementing real-time EV charging patterns and statistical analysis in Python to optimize energy usage and system efficiency.
- Applied data-driven insights to simulate and evaluate energy flexibility strategies, enhancing grid and charging station performance.
- Demonstrated strong collaboration skills, working effectively within a team while also taking initiative on key technical challenges.

Full Stack Developer, Elite IT Team, England

JULY 2023 — DECEMBER 2023

- Developed and optimized scalable web applications using React for the frontend and Node.js/Express for the backend.
- Designed and implemented robust RESTful APIs, authentication systems (JWT, OAuth), and database architectures (PostgreSQL, MongoDB).
- Enhanced performance through code optimization, caching strategies (Redis), and efficient database queries.
- Worked with modern tools like TypeScript, Docker, Git, CI/CD pipelines, and AWS to build secure, maintainable, and scalable applications

Systems Programming Intern, Carbonteq, Pakistan

JUNE 2023 — AUGUST 2023

- Explored x86-64 and MIPS assembly to deepen computing fundamentals.
- Optimized low-level code for improved performance.
- Gained a solid grasp of computer architecture's role in modern technology.

Software Development Intern, Carbonteq, Pakistan

JUNE 2022 — AUGUST 2022

- Hands-On Development: Crafted robust web solutions using TypeScript, Node.js, and React.
- Architectural Excellence: Employed best practices and SOLID principles to design scalable and fault-resilient applications.
- Skill Enhancement: Gained practical experience in full-stack development and modern software architectural design.
- Impactful Projects: Contributed to developing high-performance web projects, deepening expertise in resilient system design.

Education

Bachelor of Science- Software Engineering, FAST Nuces, Pakistan

SEPTEMBER 2020 — MAY 2024

MSc Data Science and Artificial Intelligence, Université Côte d'Azur, France

SEPTEMBER 2024 — PRESENT