

Mustafa Ahmad

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Full-Stack Developer | Generative AI Developer | ERPNext Expert | System Administrator

Results-driven full-stack developer with a passion for AI. Skilled in crafting innovative solutions using Python, JavaScript, C++, and AI frameworks (TensorFlow, PyTorch, Hugging Face). Proven expertise in designing, developing, and deploying generative AI models, RESTful APIs, and cloud-based services. Strong background in ERP systems (especially ERPNext), enabling seamless integration of AI solutions into business processes. Committed to delivering scalable, efficient, and ethically responsible AI applications that drive operational efficiency and growth.

WORK EXPERIENCE

Al Ansari Group LLC

Full-Stack Engineer | Cloud Systems Admin **Oman • Oct 2023 - Present**

- As a Full-Stack Software Engineer and AI Expert at Al Ansari Group LLC, Oman, I managed system administration including ERPNext Systems, development tasks, and all business processes. I integrated AI solutions to enhance system functionality and optimize organizational efficiency.
- Responsibilities included Python API development, API integration, and Frappe Framework(ERPNext) expertise. Also, integrated machine learning models and AI-driven solutions enhance system capabilities, automate processes, and improve decision-making across various business operations.
- Provided comprehensive IT technical support and conducted user training sessions to ensure efficient system utilization.
- Dedicated tenure to optimizing system functionality, enhancing user experience, and supporting overall business operations.

Content Arcade Ltd

Python Developer Intern **Pakistan • Nov 2022 - Jan 2023**

- As Python Developer Intern, I focused on honing skills in Python API development, API integration, and Ajax requests.
- Mainly focused on development of APIs, Databases, Websites.

Software Bench Inc

SEO Specialist **Pakistan • Oct 2020 - Oct 2021**

- Managed and executed link building, guest posting, SEO optimization, email marketing, social media management, and content writing initiatives to enhance brand visibility and engagement.

CERTIFICATIONS

Career Essentials in Generative AI

Microsoft & LinkedIn

Career Essentials in GitHub Professional Certificate

GitHub & LinkedIn

DevOps Professional Certificate

Microsoft & LinkedIn

Python for Data Science

Cognitive Class

EDUCATION

Bachelor of Science in Computer Science

The University of Faisalabad
Pakistan
Oct 2018 - Oct 2022

I acquired knowledge of Data Structures, Assembly Language, Web Development, Artificial Intelligence (AI), Machine Learning (ML), Generative AI, Database Design, Integration Server Management, AI-Driven Solutions, and Network Security during my degree in Computer Science.

SKILLS

- Python Development
- JavaScript
- Generative AI
- Stable Diffusion
- DALL-E
- TensorFlow
- PyTorch
- ERPNext Development
- Frappe Framework
- Artificial Intelligence
- Machine Learning
- Python API Development
- Enterprise Resource Planning (ERP) Knowledge
- RESTful APIs
- Hugging Face
- Web Development
- FAST APIs
- API Integration
- MariaDB
- Oracle
- WordPress
- CodeIgniter
- C++
- Git
- GitHub

Career Essentials In Business Analysis

PagerDuty and LinkedIn

The Complete Frappe Framework & ErpNext Developer

Upeosoft

Blockchain Essentials - v3

Cognitive Class

IBM Cloud Essentials - v3

Cognitive Class

PROJECTS

ERPNext Implementation

Oct 2023 - Present

Al-Ansari Group LLC

Proven track record in implementing and optimizing ERPNext solutions, as demonstrated at Al-Ansari Group LLC. Led the development of custom modules, system integration, user training, and workflow optimization across key business areas. Expertise in leveraging AI and ML to automate processes, enhance data handling, and drive informed decision-making. Proficient in Python, JavaScript, SQL, Jinja2, and AI frameworks. Skilled in maintaining and supporting ERPNext systems, ensuring optimal performance and user satisfaction.

Weapon Detection Using AI/ML

Jun 2022

The University Of Faisalabad

Developed an AI/ML-based weapon detection system leveraging OpenCV, YOLOv2, and Convolutional Neural Networks (CNN). This system effectively identifies weapons in real-time and triggers an automated alert mechanism, significantly enhancing security through advanced image processing and machine learning techniques. Implemented rigorous testing and validation protocols to ensure accuracy and reliability in various environments.

Online Quiz Application

Jan 2022

Content Arcade Ltd

Designed and developed an interactive web-based quiz application using Flask and RESTful APIs, incorporating AI for adaptive question generation. The system featured real-time question updates and score tracking, emphasizing API development, database integration, and a user-friendly front end for an enhanced user experience.

Ranked 8+ Websites Globally

Oct 2021

Software Bench.Inc

Enhanced the global rankings of 8+ websites using AI-driven SEO strategies, including on-page optimization, technical SEO, content creation, and link-building. This contributed to improved visibility, higher search engine rankings, and increased traffic and engagement.

- Blockchain
- Ajax
- Postgres
- jQuery
- SQL
- Networking
- Optimizing Infrastructure
- SEO Optimization
- Email Marketing
- Social Media Management
- Content Writing
- Data Structures
- Assembly Language
- Machine Learning
- Database Design
- Integration Server Management
- Network Security
- Cloud Computing
- DB Normalization
- GitHub Actions
- Orion ERP Administration
- HTML
- CSS
- Bootstrap
- IBM Cloud
- MySQL
- Postman API
- Jinja
- Project Management
- Communication
- Thrive Under Pressure

Languages

- English
- Urdu
- Arabic
- Punjabi
- Pashto
- Hindi

Hobbies

- Life-Long Learning
- Photography
- Videography
- Travel-Tourism