

ATEEB CHAUDARY

SOFTWARE ENGINEER · AI/ML · WEB & AUTOMATION

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Professional Summary

Software Engineer with experience in developing modern web applications and internal systems using Next.js and JavaScript frameworks. I am skilled in building automation and web scraping solutions, designing backend services, and integrating databases to support scalable business workflows. Proven ability to deliver production-ready applications and automation tools that improve efficiency and reliability.

Education

BS Artificial Intelligence

[FAST-NUCES](#)

September. 2022 - present

Skills

Languages: JavaScript, Python, C/C++, C#, SQL (MySQL, PostgreSQL), HTML, CSS

Frameworks: Next.js, React, Node.js, Express.js, WordPress, Tableau, Voiceflow,

Libraries: Bootstrap/Tailwind, Pandas, NumPy, Matplotlib, Seaborn, Scikitlearn, Librosa, TensorFlow, PYtorch, OpenCV.

Professional Experience

Software Engineer – Web Applications
& Automation

[EHM-IT Services](#)

FSD, PAK - onsite - Jul. 2023 - present

- Developed automated web scraping and data extraction solutions using **Python, Selenium, and BeautifulSoup**.
- Built scalable scraping frameworks for **dynamic and authenticated websites**.
- Automated data processing workflows including **cleaning and export** to databases, CSV, and Excel
- Used OCR and PDF parsing to extract emails and contact data from documents.
- Developed scalable, reusable scraping frameworks with headless browsers.

Email Marketing Manager

[EHM-IT Services](#)

FSD, PAK - onsite - Feb. 2022 - present

- Extracted targeted leads, scraped data, and built prospect lists for outreach.
- Designed and executed email campaigns using customized templates to boost engagement.
- Monitored performance metrics and optimized campaigns for better deliverability and conversions.

Projects

- **EHM Tech Website** – Designed and developed a production-ready technology website using modern web technologies, focusing on performance, responsiveness, and maintainable architecture.
- **Speech Emotion Recognition (RAVDESS)** – Implemented a Speech Emotion Recognition system using the RAVDESS dataset. Trained and evaluated **CNN models with Mel-spectrograms** and **Bi-LSTM models with MFCC features** to classify emotional states from speech signals.
- **MinerU with Explainable AI (XAI)** – Built an intelligent document processing system that extracts structured data from PDFs and applies machine learning with **explainability using LIME and SHAP**, enabling transparent and interpretable model predictions.
- **Smart Energy Consumption Recommender (RAG + FAISS)** – Developed a Retrieval-Augmented Generation (RAG) based recommendation system using **FAISS vector similarity search** for scalable, context-aware energy recommendations.
- **Data Structures & Analysis Projects** – See GitHub for additional contributions including version-control simulation, sentiment analysis scripts, and more.
- **Email Marketing Campaign** – Executed a targeted email campaign for a Dubai-based real estate company, driving engagement.

Achievements

- Best Employee of Month (EHM-IT Services).
- Battle of Code (Winner).
- Ambassador at Wateen Telecom Limited.