

Amad A. Siddiqui

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WORK EXPERIENCE

Python Developer | Full-Time | Sila Insights | Remote (Dubai)

Feb 2024 – Present

- Led the development of research projects, implementing database architectures and creating interactive dashboards for data-driven decision-making, resulting in a 30% improvement in data accessibility and analysis efficiency across the team.
- Designed and optimized dashboards in Cluvio to facilitate detailed market segmentation analysis for leading brands in the MENA region, which led to a 20% increase in campaign ROI and improved targeting accuracy by 25%.
- Conducted in-depth analysis of user behavior and interaction patterns during the Back-to-School season, providing actionable insights that shaped market strategies, contributing to a 15% year-over-year increase in sales for targeted product categories.
- Streamlined influencer data pipelines and enhanced the stability and performance of the codebase through maintenance and optimization efforts reducing delivery time by almost 50%.
- Developed custom web crawlers using BeautifulSoup and Selenium to efficiently scrape real estate data from platforms like Aderc, Booking.com, and others.
- Leveraged a diverse tech stack, including Python, Docker, SQL, FastAPI, Django, Selenium, BeautifulSoup and Cluvio, to build scalable and efficient solutions tailored to complex data needs.

Full Stack Developer | Part-Time | Cognitive Healthcare International | Hybrid

Jun 2023 – Feb 2024

- Contributed to the development and maintenance of the Remote Patient Monitoring (RPM) system, enhancing the efficiency and functionality of healthcare services.
- Utilized Nest.js and Prisma for building scalable backend APIs, ensuring seamless data flow and integration with the RPM system.
- Developed Backend in Nest.js for cross-platform mobile application for House and Apartment Renting named "FlatBuddy".
- Applied Python for various automation tasks, data processing, and backend services within the system along with developing codebase for automated PDF reports generation thus reducing manual labor by 80%.

Full Stack App Developer | Part-Time | MiTech | Remote (Islamabad)

Nov 2022 – Apr 2023

- Developed full stack mobile and web applications for both international and local clients, ensuring high performance, scalability, and user-friendly interfaces.
- Built responsive and dynamic user interfaces using React for web applications, enhancing client satisfaction with modern design practices.
- Developed cross-platform mobile applications using Flutter.
- Used Nest.js for building backend services with API integrations and efficient server-side operations.

EDUCATION

NUST (SEECS) | Islamabad, Pakistan

Oct 2020 - May 2024

BS in Computer Science

CGPA: 3.34

Relevant Coursework: Artificial Intelligence, Digital Image Processing, Data Warehousing and Data Mining, Operating Systems, Data Structures and Algorithms, Design and Analysis of Algorithms

PROJECTS

Cardiovascular Disease Classification System | *Python, Numpy, Scikit, Pandas and FastAPI.*

Developed a system to identify and analyze symptoms that may indicate an increased risk of cardiovascular diseases in individuals. The project involved building predictive models that assess risk factors such as age, cholesterol levels, and lifestyle habits, providing a data-driven approach for early detection and prevention.

Anime-Based ART using GAN | *Python Libraries (Scikit-Learn, PyTorch, Pandas) and PyQt(for Dashboard).*

Developed a Generative Adversarial Network (GAN) capable of generating anime images with customizable features, such as hair color selection. The model was trained on a dataset of 65,000 anime face images, enabling the system to learn diverse facial features and color patterns, allowing users to create unique anime characters based on specific preferences.

AceVision (Final Year Project) (A-graded) | *Flutter, React.js, Docker, Python, TensorFlow, PyTorch, Pandas, Django, PyQt.*

Designed and developed a comprehensive tennis analysis and coaching tool that provides real-time insights and performance metrics for both players and coaches. The system tracks key statistics such as stroke technique, footwork, and shot placement, offering detailed feedback to help users improve their game.

FlatBuddy | *Nest.js, MySQL, Docker, Prisma, JWT.*

Led the backend development of an application that allows users to list and search for apartments, rooms, and houses, streamlining the process of finding rental properties and facilitating easier communication between landlords and tenants. The platform supports advanced filtering options, making it easy for users to discover properties that match their preferences.

SKILLS

Languages: Python, Dart, JavaScript, TypeScript, SQL, C/C++, Java, Postgres

Frameworks: Flutter, React, Node.js, Nest.js, Tailwind, FastAPI, Django

Developer Tools: Git, GitHub, Firebase, Docker, Insomnia, Postman

Libraries: TensorFlow, Scikit, PyTorch, OpenCV, Prisma, Pandas, NumPy, JWT, Selenium, BeautifulSoup

CERTIFICATIONS

- [Duke University Programming Fundamentals](#)
- [Supervised Machine Learning: Regression and Classification](#)
- [Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization](#)
- [Advanced Learning Algorithms](#)
- [Neural Networks and Deep Learning](#)
- [Unsupervised Learning, Recommenders, Reinforcement Learning](#)

VOLUNTEER WORK

AIME Mentor

May 2021 – June 2021

Mentored College Students to allow them to choose the right career path based on their abilities and interests.

Hack Club, NUST

Aug 2021 – June 2022

As a Team Lead Marketing at Hack Club NUST, led Marketing Campaigns for all Hack Club Events which ranged from onsite marketing to distributing flyers and leaflets to social media posts.