

Siyamak Abasnezhad Torki

Data Scientist | Full Stack Developer

- **Live in:** Babol City, Mazandaran Province, IRAN
- **Nationality:** Iranian
- **Phone:** (+98) 930 494 3348 (WhatsApp, Telegram)
- **Email:** pydevcasts@gmail.com
- **Github:** <https://github.com/pydevcasts>
- **Linkedin:** <https://www.linkedin.com/in/pydevcasts/>

Personality Description

Dynamic data scientist with over 10 years of software development experience, including 7 years focused on Python and Django. Expert in creating robust web applications, seamlessly integrating APIs, and harnessing data science libraries such as Pandas, NumPy, and Scikit-learn to generate actionable insights. Committed to continuous learning and innovation, staying at the forefront of industry advancements to drive impactful solutions.

Skills

- **Programming Languages:**
 - Python, JavaScript, SQL
- **Frameworks & Libraries:**
 - **Data Science:** Scikit-learn, TensorFlow, Keras, SciPy, NumPy, Pandas, Matplotlib, Seaborn, Tableau
 - **Machine Learning:** Supervised and Unsupervised Learning, Natural Language Processing
 - **Deep Learning:** Convolutional Neural Networks (CNN) using TensorFlow and Keras
 - **Web Development:** Django (Django REST Framework, Graphene-Django)
 - **Web Scraping:** Scrapy, Selenium, BeautifulSoup, Requests, Urllib3
 - **Asynchronous Programming:** Asyncio, Celery
 - **Testing:** Unittest, Pytest
- **Key Python Skills**
 - Debugging and Troubleshooting
 - Optimizing Applications for Performance and Scalability
 - Python Asynchronous Programming
 - Python Parallel Programming and Concurrency
 - Python Functional Programming
 - Python Object Oriented Programming
 - Creating and Maintaining Automated Unit and Integration Tests
 - Python GUI with Tkinter and PyQt (PySide) Libraries
 - Design, Build and Deploy Microservices Architecture
 - Developing RESTful Web Services and APIs
- **Testing Tools:**
 - Unit Tests, Integration Tests, Functional Tests, End-to-End Tests
- **Container and Web Server:**
 - Docker, Nginx (Load Balancer, Reverse Proxy), Gunicorn (Python WSGI HTTP Server)
- **Caching System and Message Broker:**
 - RabbitMQ, Redis, Memcached
- **Databases:**
 - NoSQL (MongoDB, Elasticsearch)

- SQL (PostgreSQL, MySQL, SQLite)
- **Frontend Development:**
 - HTML & CSS (Bootstrap, Sass, Tailwind CSS) ,Javascript (AJAX, JQuery, Vue.js, Nuxt.js, Pinia, Cypress Testing Frameworks, TypeScript)
 - User Interface / User Experience (UI/UX)
- **Linux System Administration:**
 - 7 years of experience with Linux distributions (Fedora, Ubuntu, Debian)
 - System Installation, Upgrade and Maintenance
 - Logical Volume Management (LVM) and Logical Partitioning
 - Shell Scripting, Automation, Backup and Scheduling
 - Monitoring and Troubleshooting System and Network Protocols
 - Management of User Accounts and System Security
- **Version Control Systems (VCS):**
 - Familiar with Continuous Integration and Continuous Delivery (CI/CD)
 - GitHub ,GitLab
- **Software Development Methodology:**
 - Software Development Life Cycle (SDLC)
 - Design Patterns in Python
 - Unified Modeling Language (UML)
 - SOLID Principles
 - Structured Design
 - Rapid Application Development (RAD)
 - Agile Development

Certificate

- **Master's in Artificial Intelligence (in progress)**
 - University of Science and Technology, [babol, Iran]
- **Python Programming (May 2019 - June 2020), Tehran**
 - Volunteer, Nakhlesabz Institute (Learning course Python and Django)
- **QAL UK (May 2019), Tehran**
 - The Theoretical Framework of the Course – Django Python Programming
- **Vocational School (April 2018 - April 2019), Babol**
 - PHP and MySQL programming course with the certificate of Vocational School
- **Mojtama Fanni Tehran (July 2017), Babol**
 - PHP Learning course Front-End (HTML, CSS, JS) and Back-End (PHP & MySQL)
- **Vocational School (April 2023 - December 2023), Amol**
 - JavaScript programming course with the certificate of Vocational School

Experience

2017 - PRESENT

Freelance Developer, Iran - Web and Python Developer

- Application and web development with Python and Django framework since 2017.
- Remote development of applications and web projects for companies and individuals using Python and Django.
- **Teaching:**
 - Conducted Python programming courses that led to a **40% increase in student enrollment** and a **90% pass rate** in final assessments.
 - Taught Python programming language and PHP & MySQL at SystemYad Technical Vocational School.
 - Instructed HTML5, CSS3, and JavaScript at the Academic Center for Education, Culture and Research (ACECR).
 - Educated students in Machin Learning, JavaScript, Python, and Django at

2013 - 2017

Ketenjec Software Company, Turkey - PHP Developer

- Worked for nearly 4 years as a software developer with the Laravel framework in a team of 14 programmers in the company.

Projects

- ★ Some samples of my projects on the GitHub: <https://github.com/pydevcasts>
- ★ Because of my contract with clients and companies, I cannot put all projects on GitHub.

- **Door Management System (IoT):**

- Developed a door management system using Python, Raspberry Pi, and RS485 protocol for local communication, along with a web server and Bluetooth technology.
- Utilized Python programming to create a comprehensive software solution for controlling access to a door.
- Integrated RS485 protocol for local communication with access control panels, card readers, and sensors.
- Incorporated Bluetooth technology for proximity-based access control.
- Resulted in an efficient and secure door management system with seamless integration of local and web-server functionalities.
- Achieved a **30% reduction in unauthorized access attempts** and improved overall security protocols following implementation.

- **Design and Development of a Multifunctional Application for Bulk Email and SMS Sending and Subtitle Extraction:**

- Design and implementation of an application for sending bulk SMS via email and extracting subtitles.
- Utilization of Multi-threading and Asyncio techniques to optimize performance and increase message sending speed.
- Implementation of a user interface with PyQt for ease of use.
- Use of Selenium for browser automation and automatic extraction of email addresses and phone numbers from websites.
- Capability to send messages to both types of recipients (email and phone number)
- Development of a bot for extracting subtitles from Google Meet and translating them into various languages.
- Use of natural language processing techniques and translation APIs to improve the accuracy of subtitle translations.
- Design and implementation of a simple user interface for accessing the bot's features and sending messages.

- **Real Estate:**

- The project includes a dedicated dashboard focused on property sales and rentals
- Property owners can list properties such as villas, suites, and other real estate offerings on the website.
- Different subscription plans (silver, bronze, gold) offer varying facilities and benefits to the users.
- The platform provides real estate professionals with increased opportunities for advertising and promoting their properties, ultimately enhancing their sales and visibility.
- Created a platform that increased property visibility for owners, leading to a **25% increase** in inquiries and a **15% boost** in rental/sale conversions within the first quarter of launch.

- **Insurance:**

- Developed an insurance project that features a news section reporting daily updates from the insurance industry.
- Included a segment dedicated to introducing insurance industry products and providing information to policyholders via email, along with a notification section.
- Streamlined communication with policyholders, improving response time by **50%** and increasing customer satisfaction ratings by **20%**.
- Implemented functionality for sending emails, managing frequently asked questions, and other distinct sections, all supported by a dedicated dashboard.
- The project utilizes Celery, Redis, and Postgres databases to ensure efficient performance and scalability.

- **Online Market:**

- The e-commerce website is being developed using Django and Vue.js.
- It includes a dedicated dashboard and an online shopping cart.
- Developed a responsive website featuring a dynamic image slider, a robust ticketing system, and secure identity verification using JWT

- **TravelAI (In Development)**

- An innovative travel application utilizing advanced artificial intelligence to deliver personalized travel experiences and house price predictions.
- Analyzes user preferences and past behaviors to provide tailored recommendations for unique destinations, engaging activities, and comfortable accommodations.
- Leverages machine learning algorithms to predict house prices, assisting users in making informed travel and real estate investment decisions.
- Aims to simplify the travel planning process while enriching the overall journey, ensuring each trip aligns perfectly with individual tastes and desires.

- **Image Classification with CNN:**

- Developed a convolutional neural network for image classification tasks using TensorFlow and Keras.
- Achieved **95% accuracy** on the **CIFAR-10 dataset**.
- Implemented data augmentation techniques to improve model robustness and generalization.

Language

- **Persian:** Native Language (10/10)
- **English:** Professional Proficiency (7/10)