

# Mirza SamiHyder

Software Engineer

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## SUMMARY

Results-driven Software Engineer with over 2.5 years of experience in Python development, automation, and backend systems. Specialized in building scalable, efficient web scraping and data processing solutions using tools like Scrapy, BeautifulSoup, Selenium, and Python Requests. Skilled in handling HTTP, cookies, sessions, and network debugging. Passionate about clean, modular code and proactive problem solving.

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## TECHNICAL SKILLS & TOOLS

- Programming: Python, JavaScript
  - Web Scraping Tools: Scrapy, BeautifulSoup, Selenium, Python Requests, Playwright
  - Frameworks & Libraries: Django, Flask, Pandas, NumPy, Matplotlib, SQLAlchemy, Tkinter, pytest, unittest
  - Cloud & DevOps: Docker, Kubernetes, Microsoft Azure, Git, GitHub, CI/CD, SVN
  - Databases: PostgreSQL, MySQL, SQL
  - Other: REST API Development, Automation, Logging, Monitoring
  - Web Technologies: HTML, CSS Selectors, XPath
  - Advanced Scraping: Headless browser automation, user-agent spoofing, rotating proxies
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## PROFESSIONAL EXPERIENCE

Capgemini | Software Engineer

*Dec 2022 – Present*

Project: BAYER

- Developed backend services using Python in a microservices environment.
- Used containerization and orchestration tools (Docker, Kubernetes) for scalable deployments.
- Optimized system performance to reduce latency and improve uptime.

Project: CREATE (Python Automation & Web Scraping)

- Built automation pipelines for large-scale data extraction and transformation using BeautifulSoup, Selenium, and Requests.
  - Designed robust error handling and CI/CD pipelines to streamline development.
  - Managed cookie/session handling, anti-bot strategies, and rotating proxies to bypass scraping restrictions.
  - Parsed JavaScript-heavy and dynamic pages using Selenium in headless mode.
  - Developed structured web crawlers with Scrapy to extract and validate data from ecommerce and product listing websites.
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## Key Achievements

- Maintained 99.9% uptime on production services with automated monitoring.
- Reduced manual data collection tasks by 30% via scalable scraping and automation solutions.
- Delivered fault-tolerant pipelines to handle messy and dynamic web content effectively.

## Certifications

- PCAP – Certified Python Programmer
  - Certified Kubernetes Application Developer (KodeKloud)
  - Microsoft Azure AI Fundamentals (AI-900)
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## Education

B.E. (Honours in Data Science)  
Savitribai Phule Pune University  
*June 2018 – August 2022 | CGPA: 8.18*

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## Additional Skills

- RESTful API Design & Consumption
- Structured Data Extraction from Websites
- Playwright and Selenium for Headless Automation
- XPath