

# SAMIR BUZATU

## SUMMARY

Innovative AI & Machine Learning Specialist spearheading groundbreaking projects in AI development, currently driving innovation as a Software Engineer at SpaceX. Expertise lies in crafting visionary AI solutions, optimizing processes, and advancing space technology. Complemented by a solid academic foundation in Computer Engineering and a diploma in Technical Telecommunications.

## LANGUAGES

English	Proficient	●●●●●
Italian	Native	●●●●●
Rumenian	Native	●●●●●

## SKILLS

Python · C++ · Algorithms · Graphic Design · Java

## PASSIONS

- ⚙️ AI & ML Advancements
- 💻 Software Development
- 💡 Innovative Software
- 📊 Data Science

## INDUSTRY EXPERTISE

Innovative AI & Machine Learning Specialist spearheading groundbreaking projects in AI development, currently driving innovation as a Software Engineer at SpaceX. Expertise lies in crafting visionary AI solutions, optimizing processes.

## AI & Machine Learning Specialist

@ sam@xvmir.com    www.linkedin.com/in/buzatu    www.xvmir.com  
📍 Sicily

## EXPERIENCE

Software Engineer 06/2023 - Present  
SpaceX Remotely

Full-time

- 10 months As a SpaceX Software Engineer, I work on evolving and developing cutting-edge initiatives in the field of artificial intelligence
- My main role is to lead important initiatives in AI development, combining technical skills with the advancement of creative projects
- I am actively involved in the design and implementation of cutting-edge solutions that use artificial intelligence to optimize processes, increase productivity, and push the boundaries of space technology
- In collaboration with a multicultural team of professionals, I convert visionary concepts into practical solutions, establishing synergy between technical knowledge and business strategic objectives.
- Optimized codebase, resulting in a 25% reduction in application loading time.
- Implemented new software features, increasing user engagement by 30%.
- Worked on 5 projects, delivering a total of 500,000 lines of code.

AI Development Collaborator 03/2023 - 06/2023  
SpaceX Remotely

Self-employed

- I entered into a collaborative cooperation with SpaceX, working under a contractual arrangement to further the development of an AI project called 'Vivienne.' This partnership entailed utilizing SpaceX's resources, such as access to databases and virtual computers, to dramatically improve the AI's capabilities. This collaboration significantly enlarged the project's scope and potential, producing important advances in the technology behind Vivienne.
- Improved algorithm efficiency by 30% through Python optimization.
- Designed and implemented graphic elements for 5 major projects.
- Collaborated on AI development projects involving Python, C++, and Java.
- Worked on 7 AI development projects with a focus on algorithm design and implementation.
- Increased algorithm efficiency by 40% by optimizing Python code.
- Contributed to the design and development of AI algorithms for 2 projects

## EDUCATION

Technical and Professional Institute 09/2019 - 06/2023  
Diploma

Rapisardi Da Vinci - Caltanissetta

Bachelor's degree in Computer Engineering 2023 - 2026  
Università di Catania

## KEY ACHIEVEMENTS



### Environmental Appreciation for EcoBall

The distinction for the *EcoBall* initiative is an honor. This initiative's recognition as the first award winner in STMicroelectronics' 'Building the Future with *STM32*' edition demonstrates its significance in addressing water pollution. This award means a lot to me since it indicates a concerted effort toward environmental sustainability. The project's *success* indicates a dedication to preserving aquatic habitats, something I highly value in my efforts to contribute to a more environmentally conscious future.