👤 **Rabii Elbeji** · 📍 **Tunisia** · @ **rabi3elbeji@gmail.com** · 📞 **+216 22 037 588**   in **rabii-elbeji** · ⬡ **rabi3elbeji** · 🐦 **rbelbeji**

RABII ELBEJI | RESUME

❱ **Status:**   R&D AI Engineer, 29 years old

❱ **Prog. Languages:**   Python, C++, Java, JS, Linux Shell

❱ **Technologies:**   TensorFlow, scikit-learn, OpenCV, Docker, Git

❱ **Nat. Languages:**   French, English

❱❱❱ Experience

04/18 - Present   **R&D AI Engineer Engineer | Lead Dev**   🏢 Open Bee™ · 📍 Nabeul, Tunisia

> ❱ R&D around OCR, Computer Vision, NLP and Blockchain

> ❱ Tesseract-based OCR optimization project with image pre-processing approaches and re-training engine with multiple languages.

> ❱ Develop and optimize a barcode API (for detection and recognition) using image preprocessing and deep learning models.

> ❱ R&D for administrative documents classification API based on machine learning algorithms.

> ❱ Ethereum Smart-Contract and IOTA for document tracking.

> ❱ DevOps tasks (Docker, CI/CD, Prometheus, Grafana, ELK Stack, ...)

> **Technologies:** C++, Python, Java, Tesseract, OpenCV, Leptonica, TensorFlow, scikit-lean, Ethereum, IOTA, Docker

10/17 - 12/17   **Independent**   📍 Tunisia

> ❱ Develop a text detection and recognition API in real scenes.

> **Technologies:** Python, TensorFlow, Transfer-Learning

01/16 - 09/17   **Software Engineer**   🏢 HOHWebSolutions · 📍 Mahdia, Tunisia

> ❱ Build a website for managing data from different resources (Databases, Excel files).

> ❱ Build website modules for a VOIP telephony System based on the Asterisk server.

> ❱ PHP and NodeJS back-end servers for some modules.

> ❱ DevOps Tasks (fail2ban, Prometheus, Grafana, ...)

> **Technologies:** NodeJS, PHP, PHP Zend, Linux Shell

12/15 - 06/16   **Android App development Trainer**   🏢 IBIL Training Center · 📍 Sousse, Tunisia

> **Technologies:** Java, PHP, Android-Studio

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02/15 - 09/15	**Engineering degree project**	🏛 ENIG · 📍 Gabes, Tunisia

❱ Develop a real-time detection, classification, and tracking methods for red-edges road signs plus a comparative study with two other recent methods.

❱ Perform 3D localization of panels using a stereo-vision sensors.

❱ Develop a method for lane markings edges extraction based on the normalized cross correlation.

Technologies: Python, Scikit-Learn, Scikit-Image, NumPy, OpenCV

08/14 - 09/14	**Engineer Internship**	🏛 ENIG · 📍 Gabes, Tunisia

❱ Design and develop a quality of service (QoS) control tool for the supervision of the 2G / 3G network with administrative control.

Technologies: Java, Android, C#, PHP

02/14 - 04/14	**Final Year project**	🏛 ENIG · 📍 Gabes, Tunisia

❱ Develop a software tool for alphabet letters recognition based on the signs of the user's hand with the aim of helping the deaf-mutes people to learn faster and easier.

Technologies: C#, EmguCV, OpenCV Training Module

❱❱❱ Education

2017 - Present	**Ph.D. student**	🏛 ENIT · 📍 Tunis, Tunisia

Specialty: Information technology (STIC)

2012 - 2015	**Engineering degree**	🏛 ENIG · 📍 Gabes, Tunisia

Specialty: Networks & Communications

2010 - 2012	**Preparatory studies**	🏛 ISSAT Mahdia · 📍 Mahdia, Tunisia

Specialty: Mathematics & Physics

2009 - 2010	**Bachlor Degree**	🏛 Zeramdine High School · 📍 Monastire, Tunisia

Specialty: Experimental Sciences

❱❱❱ Publications

21 July 2018	**ICDEc 2018**	📍 Brest, France

An Improved CNN Steganalysis Architecture Based on "Catalyst Kernels" and Transfer Learning.

Authors: **Rabii El Beji**, Marwa Saidi, Houcemeddine Hermassi, Rhouma Rhouma

01 juil 2016	**ICIAR 2016**	📍 Póvoa de Varzim,Portugal

A Comparative Study of Vision-Based Traffic Signs Recognition Methods.

Authors: Nadra Ben Romdhane, Hazar Mliki, **Rabii El Beji**, Mohamed Hammami

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20 juin 2016	**IEEE Intelligent Vehicles Symposium**	📍 Gothenburg, Sweden

Combined 2d/3d Traffic Signs Recognition and Distance Estimation.

Authors: Nadra Ben Romdhane, Hazar Mliki, **Rabii El Beji**, Mohamed Hammami

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