



DeepVolt

PFE Book - 2026



Urban Mobility

Co-funded by the
European Union



Supported by



About us

DeepVolt builds **AI** solutions for **E-Mobility**.

Our flagship product, DeepVolt Location Intelligence Assistant (DLIA), enables **cities** and **businesses** to identify **profitable locations** for EV charging stations **in minutes**.



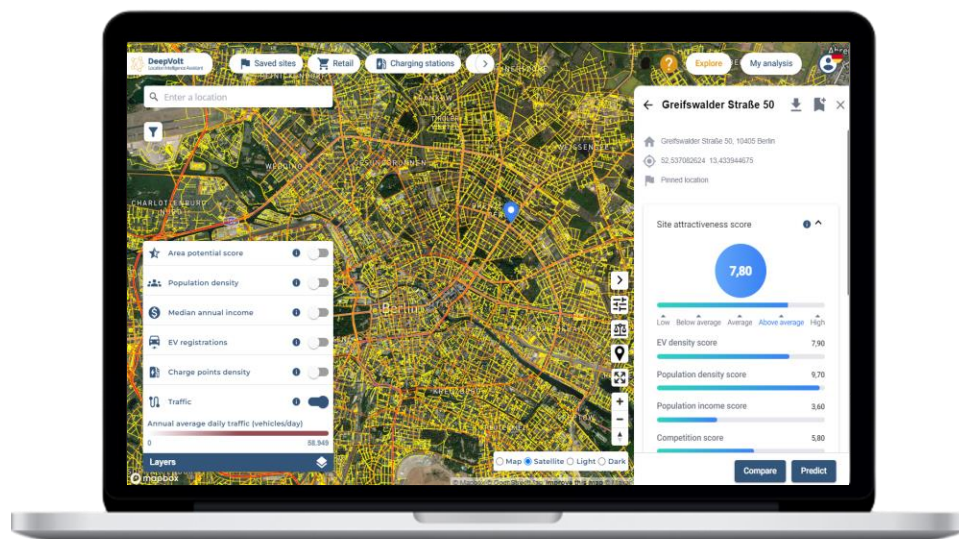
DeepVolt

Our products



DeepVolt for CPOs

Location Intelligence Assistant

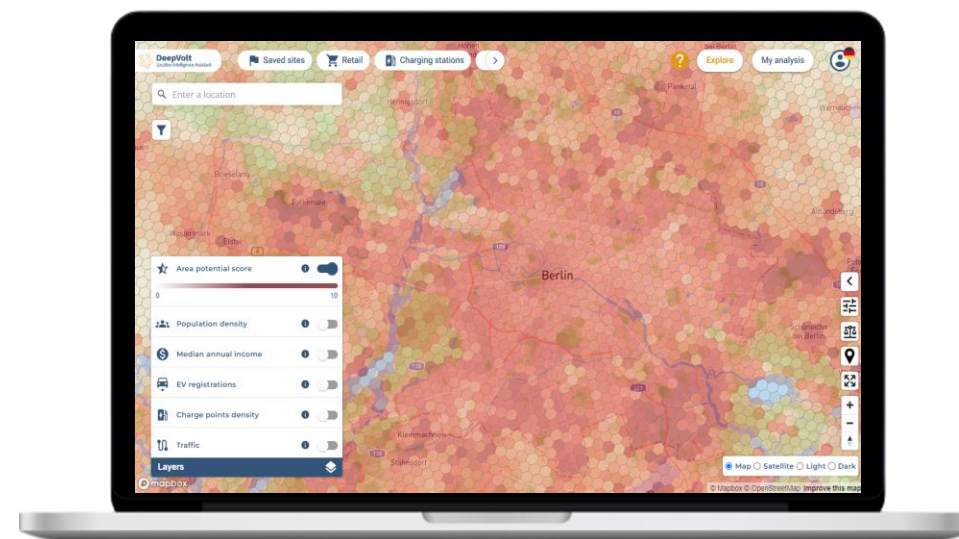


The AI-powered SaaS
to find **profitable locations**
and **maximize revenues**



DeepVolt for Cities

Location Intelligence Assistant



The AI-powered SaaS
to anticipate **future charging needs**
and **optimize infrastructure masterplans**

Supporters



Urban Mobility

Co-funded by the
European Union



Data and AI

You are a passionate data scientist? This if for you!



Description: you will be an integral part of our R&D data science team, focused on predicting the utilization rate and energy consumption of Electric Vehicle Charging Stations (EVCS) and deploying data processing pipelines.



Field: AI, Data Science and MLOps



Duration: 5-6 months



Location: Hybrid (home/office)
Office: El Ghazela Technopark, Tunis

What you will do:

- Collaborate with cross-functional teams to understand business requirements and data sources.
- Clean, process, and analyze large datasets to extract meaningful insights.
- Develop and implement models to predict the utilization rate of EVCS.
- Design, implement, and maintain data pipelines for efficient data processing.
- Deploy machine learning models to production and manage deployed solutions on AWS.
- Ensure the scalability, reliability, and security of data infrastructure.
- Work on continuous integration and delivery (CI/CD) for machine learning models.
- Evaluate model performance and make necessary adjustments to improve accuracy.
- Present findings and recommendations to both technical and non-technical stakeholders.

Who are you:

- Motivated, creative, and open-minded.
- Passionate about new technologies and electric mobility.
- Eager to work in an emerging start-up with a flat hierarchy.
- A team player who takes initiative.

What you have in your toolkit (or are passionately willing to learn):

- Programming Languages: Python (NumPy, Pandas, Scikit-learn), Bonus: Spark
- Machine Learning Frameworks: XGBoost, SciPy, TensorFlow, PyTorch
- Data Visualization: Matplotlib, Seaborn
- Cloud Platform: AWS (S3, EC2, Lambda, SageMaker, Glue..)
- Version Control: Git
- Bonus: Familiarity with GIS systems

You are a passionate AI Engineer? This is for you!



As an AI Engineer Intern, you will design and implement an **AI agent powered by Large Language Models (LLMs)** and integrate it into a web application. This role offers hands-on experience in building intelligent systems using cutting-edge cloud technologies.



Field: AI Engineering, LLMs, Cloud Computing



Duration: 4-6 months



Location: Hybrid (home/office)
Office: El Ghazela Technopark, Tunis

What you will do:

- Develop and deploy an AI agent leveraging LLMs for real-world use cases.
- Integrate the AI agent into a web application for seamless user interaction.
- Utilize **AWS Bedrock** and **Amazon SageMaker** to build, train, and optimize models.
- Collaborate with developers to ensure smooth integration and scalability.
- Implement best practices for security, performance, and reliability in cloud environments.

Who are you:

- Strong foundations in AI/ML concepts and software development.
- Proficiency in Python and familiarity with frameworks like TensorFlow or PyTorch.
- Knowledge of cloud platforms, especially AWS services (Bedrock, SageMaker).
- Experience with web technologies (HTML, CSS, JavaScript, Node.js) is a plus.
- Currently pursuing a degree in Computer Science, AI, or related fields.
- Excellent problem-solving and teamwork skills.

What you have in your toolkit (or are passionately willing to learn):


- **Programming Languages:** Python (NumPy, Pandas, Scikit-learn)
- **Machine Learning Frameworks:** XGBoost, SciPy
- **LLM & AI Tools:** Familiarity with Large Language Models and prompt engineering
- **Cloud Platforms:** AWS (Bedrock, SageMaker, S3, EC2, Lambda, Glue)
- **Web Technologies:** HTML, CSS, JavaScript, Node.js (for integration into web apps)
- **Data Visualization:** Matplotlib, Seaborn
- **Version Control:** Git
- **Bonus:** Understanding of MLOps and deployment best practices

What we offer:

- Exposure to cutting-edge AI technologies and cloud-based solutions.
- Mentorship to align your work with industry standards.
- Flexible work environment to accommodate academic commitments.


Web development

You are a passionate Full-Stack developer? This if for you!

 Description: As a Full Stack Developer Intern, you will collaborate closely with our development team to create and maintain web applications. This internship provides an opportunity for students and recent graduates to enhance their skills, engage in real-world projects, and establish a robust foundation in full-stack web development.

 Field: Software Development

 Duration: 4-6 months

 Location: Hybrid (home/office)
Office: El Ghazela Technopark, Tunis

What you will do...

- Collaborate with developers and designers to craft responsive, user-friendly web applications using Angular and Node.js.
- Write well-structured and maintainable code, adhering to coding standards and best practices.
- Conduct testing and debugging to ensure the quality and reliability of web applications.
- Assist in optimizing applications for maximum speed.
- Work with databases and APIs to retrieve and manipulate data necessary for web applications.
- Engage with external APIs, such as TomTom and Google Maps, to integrate mapping and location-based features into our applications.
- Communicate and collaborate effectively with team members to ensure project goals are met.

Qualifications..

- Strong foundations in software development in one or more programming languages, along with knowledge of data structures/algorithms, are a must.
- Proficient in SQL with a solid foundation in web development technologies, including HTML, CSS, JavaScript, TypeScript, Angular, and Node.js.
- Proficiency in at least one database management system, such as PostgreSQL or MySQL, is essential.
- Strong problem-solving skills and the ability to learn quickly.
- Currently pursuing a degree in Computer Science or a related field.
- Excellent communication and teamwork skills.

Scan or click to apply!



contact@deepvolt.io