Eya Younes | Software Engineer

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SUMMARY

Recent Teleinformatics Engineering graduate with hands-on experience in AI, Machine Learning, and full-stack development. Passionate about applying AI to solve real-world problems and deliver impactful solutions. Quick learner, highly motivated, and ready to take on challenging projects. Skilled in Python, TensorFlow, PyTorch, and modern web frameworks, with experience in Machine Learning, NLP, and data visualization.

EDUCATION

- **Higher institute of Computing and communication technologies of Sousse** — *Sep 2022 - June 2025*
  Bachelor of Engineering in Teleinformatics — Sousse, Tunisia
- **Higher institute of applied sciences and technology of Sousse sciences and technology** — *Sep 2019 - July 2022*
  Diploma of College Studies in Computer Systems Engineering and IOT — Sousse, Tunisia

EXPERIENCE

- **Final Year Internship** — *Feb 2025 – May 2025*
  Retalk — Sousse, Tunisia
  ◦ Designed an AI pipeline for automated image editing, including background removal, object removal, and recolorization.
  ◦ Preserved metadata and maintained the original image format for output integrity.
  ◦ Processed multiple image formats (PNG, JPEG, AVIF) and ensured RGB normalization for model compatibility.

- **Summer Internship** — *July 2024 - Aug 2024*
  FLESK — Monastir, Tunisia
  ◦ Developed an AI-based employee tracking system using facial recognition with TensorFlow and PyTorch.
  ◦ Integrated text-to-speech (TTS) for interactive voice greetings and confirmations.
  ◦ Built a back-office dashboard using Angular for employee data management and monitoring.

- **Summer Internship** — *June 2023 - July 2023*
  REGALS.INC — Sousse, Tunisia
  ◦ Developed front-end mobile interfaces using Flutter, based on Figma designs.
  ◦ Collaborated with the team to discuss and implement improvements to a football club's mobile application.

- **Final Year Internship** — *Feb 2022 – June 2022*
  University of Sousse — Sousse, Tunisia
  ◦ Created an intelligent solution to effectively manage the vacant spots within a large parking facility.
  ◦ Utilized camera technology to monitor and maintain real-time updates for a large number of parking spaces.
  ◦ Connected the system to a mobile application for spot reservation.

PROJECTS

- **Project: StressWatch** — *Jan 2025 – Mar 2025*
  Tools: Python, Pytorch, RoBERTa, NLP, spaCy, next.js, CRISP-dm
  ◦ Enhanced an AI system to analyze social media posts and detect signs of stress using NLP and deep learning models.

- **Project: Visualization and descriptive analysis of COVID-19 data** — *oct 2024 – Dec 2024*
  Tools: MongoDB, DaaS, SparkSQL, Spark ML
  ◦ Created an interactive dashboard for exploring COVID-19 data by country and date range.
  ◦ Improved a predictive model to forecast new COVID-19 cases based on the country and prior week's case numbers.

SKILLS

- **Programming Software:** Python, Java, JavaScript, HTML, CSS, C
- **Libraries:** ReactJS, Angular, NodeJS, NestJS, Dart(Flutter), XML
- **Machine Learning & AI:** ML, DL, CV, OpenCV, Tensorflow, PyTorch, Keras, numpy, CNN, RNN, Image processing, NLP, Image Segmentation
- **Cloud / Devops:** AWS, Azure, Docker, CI/CD
- **Data management :** SQL, Mining, Spark, Databricks, visualization
- **Modeling :** UML, Merise

ADDITIONAL INFORMATION

Languages: Arabic (Native), English (Intermediate), French (Intermediate)
Interests: Reading, Walking, Camping