

Tradrlly



PFE BOOK



tradrlly.job@gmail.com





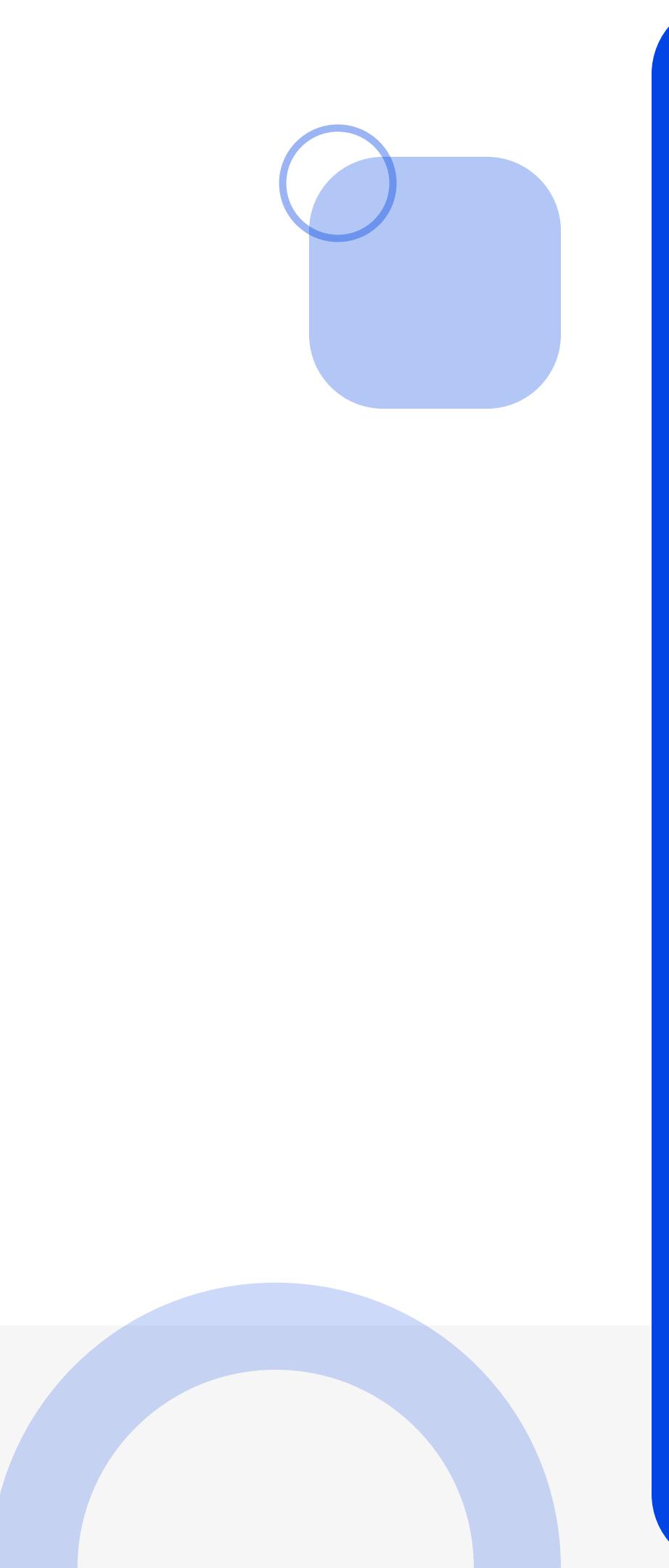
PFE 2024-2025 SUBJECT CATALOG



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OVERVIEW



Tradrlly is a dynamic new startup based in Mahdia, specializing in the development and integration of AI-driven solutions across web, mobile, and cloud platforms. Our mission is to harness the power of artificial intelligence to deliver innovative, efficient, and scalable solutions for businesses, helping them optimize operations and stay competitive in the digital age. At Tradrlly, we focus on cutting-edge technology to drive growth and transform the way companies leverage AI across various sectors.

01

Why Tradrlly ?

- **Cutting-Edge AI Expertise:** At Tradrlly, we offer students the opportunity to work on exciting projects in AI development, gaining hands-on experience in creating innovative solutions for web, mobile, and cloud platforms.
- **Real-World Impact:** Our projects are designed to make a tangible impact, allowing you to contribute to transformative AI-driven technologies that optimize business operations and solve real-world challenges.
- **Supervision by a Talented Team:** You will be guided by our experienced team of AI experts, ensuring you have the mentorship and support needed to excel and achieve your academic and career goals.
- **Innovative Work Environment:** We foster a culture of creativity and innovation, where your ideas and contributions will be valued and encouraged as part of our dynamic team.
- **Growth and Development:** At Tradrlly, we focus on helping students grow, providing opportunities for skill development in the latest AI tools and technologies that are highly sought after in today's job market.
- **Path to Success:** Our internship and project opportunities are designed to prepare you for a successful career, offering a clear path from academic knowledge to professional achievement.



PROJECT DETAILS



In the journey to success, sometimes you just need to pause, take a breath, and appreciate how far you've come. Now, let's dive in the projects details

01. NUTRIVISION



NutriVision is a mobile application designed to help users identify traditional foods from North Africa (Tunisia, Algeria, Morocco, and Egypt) using AI technology. The app will provide detailed nutritional information about each food item, making it an ideal companion for individuals with special diets or health conditions.



POSTE NUMBER : 2
data scientist
mobile developper

Duration : 4-6 month

Core Features

- Food Recognition using AI and Computer Vision
- Nutritional Information including calories, carbs, fats, and proteins
- Personalized dietary guidance for users with specific health needs
- User profile management to track diet and health progress
- Recommendations for healthier alternatives and meal plans

Technologies Required

- React Native for mobile app development
- Node.js for backend server-side operations
- MongoDB for data storage and management
- Python for AI and data science tasks
 - TensorFlow or PyTorch for image recognition models
 - Web scraping using BeautifulSoup/Scrapy for data collection
 - Machine Learning and Deep Learning techniques for food classification

02. CAMPTUN



CampTun is a mobile application designed for camping enthusiasts in Tunisia, offering a comprehensive platform for discovering, planning, and sharing camping experiences. Whether you're a solo adventurer or part of a group, CampTun simplifies every aspect of camping, from finding the perfect campsite to connecting with fellow campers and organizing camping trips.



POSTE NUMBER :1
mobile developper

Duration : 4-6 month

Core Features

- Campsite Discovery and Recommendations
- Social Camping Groups and Events
- Customized Camping Plans
- User Reviews and Feedback
- Offline Access to Camping Resources
- Safety and Emergency Features
- Camping Competitions and Rewards
- Camping Gear Marketplace

Technologies Required

1. React Native for mobile app development
2. Node.js for backend services
3. Google Maps API for location services and offline maps
4. MongoDB/Firebase for data storage
5. Weather API for real-time weather updates

03. SPEC-UML



SpecUML is an innovative tool that automates the process of converting project specifications or cahier de charges into UML (Unified Modeling Language) diagrams using AI.

By leveraging Natural Language Processing (NLP) and AI-based rule generation, SpecUML helps to bridge the gap between technical specifications and software design.



POSTE NUMBER :1
data scientist

Duration : 4-6 month

Core Features

- Automated Text-to-UML Conversion (Use Case, Class, Sequence, Activity, and Component Diagrams)
- Customizable UML Diagram Types
- Interactive Diagram Editor
- AI-Driven NLP Parsing for Specification Analysis
- Versioning and Collaboration
- Export to Development Environments (SVG, PDF, XMI)
- Requirement Traceability Matrix

Technologies Required

- NLP Parsing:
 - Python, spaCy, NLTK, Hugging Face Transformers
- Diagram Generation:
 - Graphviz, PlantUML

04. SMARTRESUME



SmartResume is an AI-based resume parsing tool designed to streamline the recruitment process. It takes a job description and a batch of resumes, compares them, and intelligently ranks the best-matching candidates for the role. The tool also offers customizable filters that allow recruiters to adjust criteria such as experience, skills, education, and location, dynamically changing the ranking of profiles to fit the company's specific needs.



POSTE NUMBER :1

Data scientist

Duration : 4-6 month

Core Features

- Resume Parsing and Analysis
- Job Description Matching
- Dynamic Filtering and Customization
- Candidate Ranking and Scoring
- Interactive Dashboard and Reporting
- Machine Learning-Based Improvement

Technologies Required

- NLP:
 - Python, spaCy, NLTK, Hugging Face Transformers
- Machine Learning:
 - TensorFlow, PyTorch, Scikit-learn
- Data Processing:
 - Pandas, NumPy
- ATS Integration:
 - API (Greenhouse, Lever)
- Web scrapping
 - beautifulsoop , selenium

05. BRANDDASHBOARD



BrandDashboard is an automated Business Intelligence (BI) tool designed to connect with a brand's social media accounts (Facebook, Instagram, Twitter, etc.), collect relevant data, and generate an advanced dashboard. The tool provides real-time insights into the brand's online presence, engagement, follower growth, and performance metrics. This dashboard helps businesses make informed decisions about their social media strategy and overall brand performance.



POSTE NUMBER :1

BI

Duration : 4-6 month

Core Features

- Automated Data Collection from Social Media
- Advanced Dashboard with Real-Time Updates
- Engagement and Sentiment Analysis
- Competitor Comparison
- Customizable Metrics and KPIs
- Social Media Platform Integration
- Reporting and Data Export

Technologies Required

- Data Collection:
 - Python, Social Media APIs (Facebook Graph API, Twitter API, Instagram API)
- Data Processing and Integration:
 - Power BI, Power BI Dataflows, Power Query
- Back-end Development:
 - Azure, Power BI Embedded
- NLP for Sentiment Analysis:
 - Python, spaCy, NLTK for sentiment analysis before data integration

06. STARTUPHUB



StartupHub is a web platform designed for a startup, offering a centralized hub for news, company descriptions, resources like courses and documents, and a forum for discussions. The platform is intended to provide easy access to information, promote community engagement, and serve as a learning resource for employees and stakeholders.



POSTE NUMBER :1
Full stack js developper

Duration : 4-6 month

Core Features

- News Section
- Resource Platform (Courses and Documents)
- Discussion Forum
- User Authentication
- Responsive Design
- Content Management System (CMS)

Technologies Required

- Front-end Development:
 - HTML, CSS, JavaScript (React.js)
- Back-end Development:
 - Node.js, Express.js
- Database:
 - MongoDB or MySQL
- Forum Integration:
 - NodeBB, Discourse
- Hosting:
 - AWS, DigitalOcean

07. MARKETING



project aims to contribute to the development of a strong digital marketing strategy to enhance and promote the brand image of a company. The focus is on building a solid online presence through creative content, including graphic design, video editing, photography, and videography. This project also emphasizes building a cohesive brand identity across various digital platforms.



POSTE NUMBER : 2

Marketing

Duration : 4-6 month

Core Features

- Digital Marketing Strategy Development
- Graphic Design and Visual Content Creation
- Video Production and Editing
- Photography and Videography
- Brand Identity Management
- Social Media Campaigns and Promotion

Technologies Required

- Graphic Design:
 - Adobe Photoshop, Adobe Illustrator, Canva
- Video Production and Editing:
 - Adobe Premiere Pro, Final Cut Pro, After Effects
- Photography and Videography:
 - DSLR/Mirrorless cameras, Adobe Lightroom
- Brand Identity Management:
 - Figma, Adobe XD
- Social Media Campaigns and Analytics:
 - Hootsuite, Buffer, Google Analytics, Facebook Ads

OUR TEAM



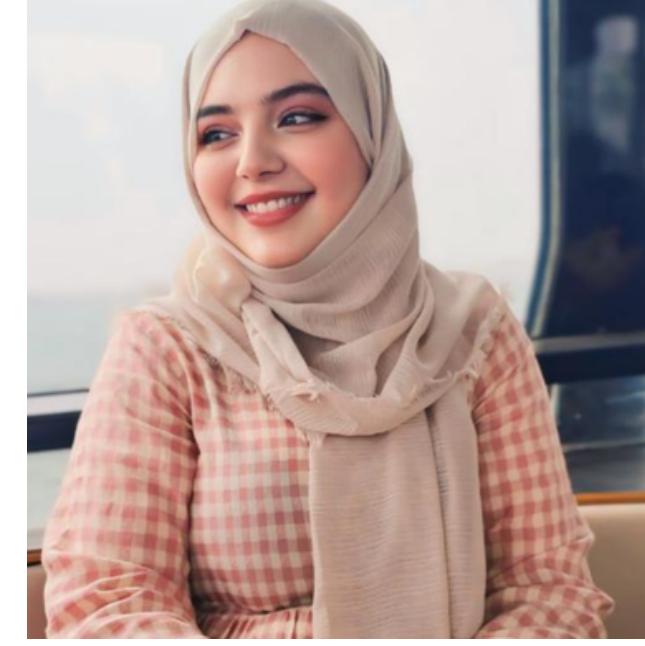
Salah Sammari
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leader



Chamsedine azzouz
web developper



Aya abdessamad
web developper



Shayma
Designer



oussama essid
Mobile developper



Dani Martinez
mobile developper

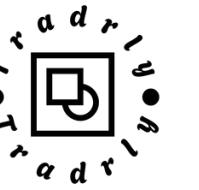


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Tradrlly



THANK YOU

FOR YOUR ATTENTION

December 2023



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