

# YOONUS KIZHAKKETHIL

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English, Arabic – All professional proficiency or above

## PROFILE

AI Engineer specializing in building and deploying predictive trading systems that deliver measurable returns. Experienced in developing full-stack AI solutions, from data pipelines and RL models to scalable MLOps workflows. Proven ability to apply machine learning to optimize business operations, achieving a 30% efficiency boost in inventory management.

## EXPERIENCE

<b>IT Manager</b>	<u>Starbucks (Arabian Gates)</u>	Jeddah, Saudi Arabia	<b>01/2024 - Present</b>
<ul style="list-style-type: none"><li><b>Engineered</b> inventory forecasting with AI, boosting efficiency 30% and saving 15+ hours/branch/week.</li><li><b>Deployed</b> a data-driven product categorization model that streamlined POS operations, cutting average customer checkout time by 20%.</li><li><b>Automated</b> financial and data analytics by integrating predictive analytics with ERP systems, improving reporting accuracy by 25%.</li><li><b>Reduced</b> external IT dependency by 80% by developing and leading internal training programs on AI-enabled tools.</li></ul>			
<b>AI/ML Engineer (Project Lead)</b>	<u>Remote (Single-Client Engagement)</u>	Jeddah, Saudi Arabia	<b>02/2025 - 08/2025</b>
<ul style="list-style-type: none"><li><b>Architected</b> an NLP and PPO-based reinforcement learning trading system that boosted risk-adjusted returns by 80% in backtesting.</li><li><b>Engineered</b> automated data pipelines to process daily market data, reducing feature engineering time by 40%.</li><li><b>Deployed</b> a scalable multi-interface application using Docker and CI/CD, establishing model versioning and API endpoints.</li><li><b>Implemented</b> a risk management framework (Sharpe Ratio, Max Drawdown) critical for model selection, saving 25% in potential losses.</li></ul>			
<b>Full Stack Engineering Intern</b>	<u>Sahl Solutions</u>	Jeddah, Saudi Arabia	<b>06/2024 - 08/2024</b>
<ul style="list-style-type: none"><li><b>Engineered</b> and integrated RESTful APIs using Django and React, enabling 3+ scalable features for the application and ERP ecosystem.</li><li><b>Designed</b> optimized database schemas to support complex data, ensuring readiness for analytics and machine learning workloads.</li><li><b>Enhanced</b> performance by optimizing database queries and React component structures, reducing average page load time by 15%.</li></ul>			
<b>E-Commerce Business Manager</b>	<u>Freelance</u>	Jeddah, Saudi Arabia	<b>01/2019 - 01/2022</b>
<ul style="list-style-type: none"><li><b>Launched</b> and managed 5+ personal e-commerce stores and guided 10+ clients from concept to launch, overseeing full project lifecycles.</li><li><b>Orchestrated</b> data-driven digital marketing campaigns across Google Ads, TikTok, and Meta, achieving up to 3x (ROAS).</li><li><b>Integrated</b> customer behavior analytics (Google Analytics, Meta Ads Manager) to inform product development and campaign strategy.</li></ul>			
<b>Assistant Manager (Data &amp; Reporting)</b>	<u>Al-Atayeb</u>	Jeddah, Saudi Arabia	<b>01/2018 - 01/2019</b>
<ul style="list-style-type: none"><li><b>Supported</b> store operations and staff coordination, contributing to effective scheduling and payroll accuracy.</li><li><b>Organized</b> financial datasets and applied Excel-based analytics to improve reporting efficiency and accuracy.</li><li><b>Streamlined</b> attendance tracking systems, reducing payroll errors and ensuring data consistency.</li></ul>			

## SKILLS

- AI & Machine Learning:** Neural Networks | TensorFlow | PyTorch | NLP | RL | Transformers | Text Mining | Embeddings | Feature Eng
- MLOps & Deployment:** CI/CD | Model Versioning | Experiment Tracking | API Integration | Docker | Cloud (AWS, Firebase) | Lambda
- Programming & Frameworks:** Python | Django | Node.js | Java | C++ | C# | React | Next.js
- Databases & Data Engineering:** SQL | PostgreSQL | MongoDB | Oracle | SQLite | Schema Design | Data Pipelines
- Soft Skills:** Problem-Solving | Critical Thinking | Research | Stakeholder Communication | Team Collaboration | Leadership

## EDUCATION & CERTIFICATIONS

<b>Bachelor of Computer Science</b>	<u>King Abdulaziz University</u>	Jeddah, Saudi Arabia	<b>08/2020 - 08/2025</b>
<ul style="list-style-type: none"><li>Major in Artificial Intelligence ( AI ) &amp; Software Engineering. GPA: 4.95/5</li></ul>			
<b>Project Management Professional (PMP)</b>	<u>Project Management Institute</u>	Pennsylvania, USA	<b>09/2025</b>
<ul style="list-style-type: none"><li>Globally recognized certification in project management, focusing on planning, execution, and leadership.</li></ul>			