

Mahmut Dehhan

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Software Engineer specializing in integrating technology across various sectors, including Textiles. Proficient in Programming, Machine learning, AI and Cybersecurity, with a proven ability to develop innovative solutions and optimize systems. Skilled in web development, network management, and PC/Server building, with a strong ability to leverage technological advancements to enhance efficiency and quality in diverse industries.

WORK EXPERIENCE

Tajj Farah Tekstil

Software Engineer(intern)

Gaziantep, Turkey

October 2023 – February 2024

- Optimized process tracking systems, enhancing operational efficiency by 20%.
- Data Cleaning and mining to create and implement predictive models.
- Applied AI techniques for predictive analytics, reducing process delays by 15%.
- Developed and integrated performance-improving solutions for data accuracy.

Okatan Sağlık Arge Anonim Şirketi

Software Engineer(intern)

Istanbul, Turkey

June 2023 – October 2023

- Banking System Development:** Engineering a secure banking system with transaction processing and account management.
- Machine Learning:** Applied ML algorithms for financial data analysis and predictive modeling.
- Data Mining:** Executed data mining to enhance system performance and customer insights.

Syrtex Tekstil Konfeksiyon

IT & Operations Manager

Istanbul, Turkey

June 2019 – October 2019

- Production Oversight:** Supervised the complete textile production cycle, from fabric dyeing and printing to manufacturing, finishing, and quality assurance, improving production efficiency by 15% and reducing defect rates by 10%.
- IT Management:** Directed IT systems and provided technical support, ensuring 99% uptime and resolving 95% of technical issues within 24 hours, which significantly minimized downtime and maintained operational continuity.
- Process Optimization:** Spearheaded technology-driven process enhancements, leading to a 20% reduction in processing time and a 12% boost in overall productivity through streamlined workflows.
- Technology Integration:** Championed the implementation of advanced IT solutions and automation technologies, resulting in an 18% increase in production throughput and enhanced operational capabilities.

Tajj Farah Tekstil

IT & Operations Manager

Kahramanmaras, Turkey

April 2018 – October 2018

- End-to-End Production Oversight:** Managed the entire textile production process, including fabric dyeing, printing, manufacturing, and quality control, ensuring high operational standards and efficiency.
- IT Infrastructure Management:** Directed IT systems and support, enhancing system performance and reducing operational disruptions.
- Tracking System Implementation:** Developed a web-based tracking system for seamless integration and real-time monitoring between the main factory and outsourced facilities, improving production transparency and coordination.
- Process Optimization:** Leveraged technology to streamline production workflows, increasing operational efficiency by 15% and reducing production delays.
- Technology Integration:** Championed the integration of IT solutions and automation, boosting production capabilities and aligning technology with operational needs.

Dahhan Textile (Family Business)

Operations Manager

Istanbul, Turkey

2014 – Present

- Led daily operations, including production, inventory, and supplier relations. Implemented process improvements to enhance production efficiency and quality control.
- Process Improvements:** Enhanced production efficiency and quality control through targeted process optimizations.

- **Cross-Department Coordination:** Ensured seamless workflow and high customer satisfaction across departments.
- **Strategic Development:** Executed growth strategies to drive business success in the textile and lingerie industry.

EDUCATION

Istanbul Aydin University

Bachelor's Degree in Software Engineering

Istanbul, Turkey

2024

- **Focus Areas:** Artificial Intelligence (AI), Cybersecurity, Web Development, App Development.

PROJECTS

Ice Cream Store Data Analysis

Role: Data Analyst /Machine Learning Specialist

- Analyzed performance data from 50 stores, identifying key trends and improving sales by 15%.
- Developed predictive models with 90% accuracy, enhancing demand forecasting.
- Provided insights that optimized operations, boosting efficiency by 10% and reducing waste by 20%.

Phishing Email Detection

Role: Machine Learning Specialist

- Engineered a machine learning solution for phishing email detection, achieving over 90% accuracy.
- Leveraged big data techniques and algorithms, including Naïve Bayes, SVM, KNN, and Neural Networks.
- Optimized model Performance using GridSearchCV for hyperparameter tuning.
- Developed a React-Based web application for real-time phishing detection.

Celiac Disease Prediction

Role: Machine Learning Specialist

- Developed an SVM-based model for predicting celiac disease.
- Achieved up to 99% accuracy with the RBF kernel.
- Utilized advanced techniques including hyperparameter tuning and feature selection.
- Validated model performance using cross-validation and comprehensive metrics (precision, recall, ROC-AUC).
- Built a web application for real-time disease prediction and diagnosis.

SKILLS

Technical Skills

- **Programming Languages:** C, C++, C#, Java, Python.
- **Machine Learning & AI:** Python, TensorFlow, PyTorch, Predictive Modeling, NLP, Data Analysis.
- **Cybersecurity:** Secure Coding Practices, Penetration Testing, IDS, Encryption, Network Security.
- **Networking:** Network Design, Configuration and Management, Network Troubleshooting.
- **PC & Server Building:** Assembly, Configuration, Optimization, Technical Troubleshooting, Performance Tuning.
- **Project Management:** Basic Planning and Coordination, Task Management, Risk Assessment, Process Tracking.
- **Web Development:** HTML, CSS, JavaScript.
- **Frameworks:** React, React Native, Flutter.
- **Tools & Environments:** Docker, Kubernetes, Git, GitHub, Android Studio, JetBrains, VS Code.
- **UI/UX Design:** Figma, Adobe XD, Spline, Blender.
- **Databases & Data Management:** MySQL, MSSQL, NOSQL.
- **Operating Systems:** Linux (Kali, Ubuntu, WSL), Windows.
- **Methodologies:** Agile, Scrum, DevOps.
- **Textile & Lingerie Industry:** Fabric Production, Dyeing & Printing, Product Lifecycle Management, Supply Chain Optimization, Quality Control, Technical Design and Manufacturing.

Soft Skills

- **Communication:** Articulate and effective in multiple languages.
- **Adaptability:** Responsive to change and new challenges.
- **Problem-Solving:** Strong analytical and creative problem-solving.
- **Teamwork:** Effective collaboration and support.
- **Leadership:** Project management and initiative.
- **Resilience:** Persistent and goal oriented.

Languages

- **English:** Full Professional Proficiency, **Arabic:** Native Speaker, **Turkish:** Advanced, **French:** Intermediate