İlker Yörü

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EDUCATION

2021 – Present   **Koç University**
Bachelor's Degree in Computer Engineering, GPA: 3.9
- **Earned a full 100% scholarship for education**: **Sayısal : 194** | Eşit Ağırlık : 378 | Sözel : 260 on ~ **3.5 Million Students**.

2022 – Present   **Koç University**
Bachelor's Degree in Economics, GPA: 3.9

EXPERIENCE

Bosch / RBTR - August 2024 – March 2025
Data Engineer

- **HR Application Tracking System**: Independently developed a Predictive Maintenance and Time Series Analysis solution utilizing the Chronos T5 Model, resulting in improved forecasting accuracy and operational efficiency.
- **Generative AI for Resume Analysis**: Planned and deployed an advanced CV analysis tool integrating Generative AI. The tool processes extracted CV data, evaluates metric alignment, and visualizes insights through interactive dashboards.
- **Financial Management Application**: Created a desktop application for Bosch SIS using Java and JavaFX, optimizing financial operations and streamlining budget management.
- Enhanced Azure-based data pipelines and predictive models on Databricks, optimizing processing times and enabling real-time analytics for the **Scrap Reduction project.**
- Improved system reliability and minimized unplanned downtime through advanced maintenance models.
- Designed Tableau dashboards, streamlining decision-making processes and operational insights.
- Oversaw Azure cloud infrastructure to ensure scalability and efficient global data handling.

İşler Kariyer - January 2022 – Present
Full-Stack Developer

- Led a team of three developers and two support members to build **İşler META**, a central digitalization platform for 600+ branches, integrating advanced analytics, publishing tools, and SSO for seamless access to external applications.
- Designed and deployed an **e-learning hub** ("İşler Kariyer"), facilitating training and skill development across the organization.
- Developed a Generative AI-powered chatbot, automating client interactions and improving user engagement.
- Directed the migration to AWS, utilizing services like Route 53, S3, RDS, EC2, VPC, and Elastic Cache to enhance system scalability and reliability.
- Engineered high-performance websites with Next.js, Django, Go, and SQL, improving backend efficiency and data processing capabilities.
- Implemented advanced frontend features using Next.js, Tailwind CSS, Shadcn.ui, and Bootstrap 5+, delivering intuitive and responsive user experiences.
- Improved system performance, user satisfaction, and website traffic through ongoing optimizations and innovative solutions.

MelanomaLens - July 2023 – September 2023
Research Assistant as AI Engineer Intern

- Collected and managed **over 100GB of dermatological data**, crucial for enhancing melanoma detection models and research.
- Constructed and **refined trainable detection models**, significantly improving F-scores by optimizing model accuracy and reliability.
- Implemented **data augmentation techniques**, increasing model generalization capabilities and contributing to advancements in melanoma diagnostic processes.
- Engaged in collaborative research efforts, leveraging complex datasets to innovate and enhance cancer detection algorithms.

Cosmy (Start-up) - October 2023 – January 2024
Data Engineer Intern

- Engineered data extraction tools with **Selenium**, amassing a dataset of over 40,000 unique product entries for Peta-certified and vegan products.
- Refined and prepared data, ensuring its readiness for machine learning applications that enhance recommendation algorithms.
- Spearheaded the creation and launch of the company's website (www.cosmyapp.com).

İşler Cepte - May 2023 – January 2024
Mobile Developer Internship

- Developed frontend interfaces using Flutter and Dart, enhancing user experience and interface responsiveness across mobile platforms.
- Integrated Backend API services using Dart, facilitating robust data exchange and improving system reliability by 15%.
- Managed email communications through Amazon Simple Email Services, optimizing message delivery processes and increasing outreach efficiency.
- **Contributed to scaling the startup** from ground zero to handling 90 million transactions, demonstrating significant growth and operational scalability.

IC Holding - August 2023 – September 2023
Software Engineer Internship
- Developed and debugged software solutions for Makpro, a Machinery Supply and Management System, enhancing operational efficiency and reducing error rates by 20%.
- Implemented data filtering and storage processes using React.js and Redux.js, which improved data accuracy and accessibility for project management and reporting.
- **Collaborated on cross-functional teams** to address and resolve system issues, resulting in a 15% increase in system reliability and user satisfaction.
- **Contributed to software design and problem resolution**, which facilitated smoother project executions and enhanced functionality in real-time applications.

2022 – Present
Freelance Developer
- *Aktif Zeka:* Developed an e-commerce platform integrated into the payment system, enhancing transaction transparency and user engagement. Managed the full-stack development of the website, leading to a 20% increase in sales through www.aktifzeka.com.
- *Bilge Atölye:* Designed and implemented the user interface using WordPress, improving the site's visual appeal and user experience.
- Crafted a high-performance e-commerce platform for *Derecehocam*, optimizing with WordPress tools to increase reliability and user engagement. Enhanced loading speeds by 30%, improving user experience significantly.
Freelance Digital Marketing
- *MZN Consulting:* Secured top rankings for 30 domains, boosting visibility and revenue from 100K TL to 2.5M TL.
- Increased site traffic by 600% and doubled e-learning enrollments through optimized strategies.
- Improved website performance, enhancing user experience and search rankings.

VOLUNTARY
- **Co-President**, Koç University Science Club (*Jun 2024 – Jan 2025*)
  Organized 4+ seminars/workshops, engaging 1000+ community members and promoting scientific literacy.
- **Leader of Committee** - Social Responsibility & Entertainment, Koç University Science Club (Jun 2023 – Jun 2024)
  Led the organization of social responsibility projects and entertainment events, fostering community engagement and enhancing the club's outreach.
- **Board Member**, IEEE Koç University (*Jun 2023 – Jun 2024*)
  Conducted 10+ technical workshops and led 2 major annual events, enhancing students' technical skills.
- **Teaching Assistant**, Advanced Programming, Koç University (*Sep 2023 – Jan 2024*)
  Taught Java OOP concepts to 100+ students, focusing on recursion, data structures, and GUIs.
- **Mentor**, Society of Women Engineers, Koç University
  Led Python coding sessions for 25 high school students, improving their programming skills through hands-on tools like Google Colab and Hackerrank.

Competitions & Awards

- Doping Technology Edu-Tech AI Hackathon – 1st Place
- KUIKA AI Hackathon - 1st Place
- Fiat Automotive Case Competition - 2nd Place
- Pasha Hackathon International - Top 20 Finalist