PARSA KAZEROONI

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EDUCATION

Yildiz Technical University   Istanbul, Turkey
Bachelor of Engineering in Computer Engineering   *Expected June 2024*

Fontys University of Applied Sciences   Eindhoven, Netherlands
Exchange program in ICT and Software Engineering   *September 2022 - February 2023*

PROJECTS

Code Generation with LLMs | *PyTorch, HuggingFaces, Transformers*   September 2023 - January 2024
Graduation project at Yildiz Technical University mentored by Asst. Prof. Göksel Biricik.
- Conducted research on code generation, evaluating the models in generating accurate functional code
- Developed various sized models that generates code from a natural language description of the code
- Established a better understanding of Natural Language Processing, staying abreast of the latest developments, techniques, and industry best practices.
- Authored a comprehensive research paper on the project's methodology and findings, intended for publication in a local journal

Image Colorization Using Deep Learning | *CNN, Tensorflow, NumPy, Matplotlib*   February 2021 - June 2022
Research project at Yildiz Technical University mentored by Asst. Prof. Hamza Osman İlhan.
- Established a better understanding of Convolutional Neural Networks
- Developed a high accuracy model that predicts colors of a grayscale image input
- Analyzed the performance by two methods of human study and color comparison function
- Achieved better academic writing skills by writing a reseach paper

Internalships | *Java, Spring Boot, Javascript, React.js*   September 2022 – February 2023
Internship management software developed at Fontys.
- Developed a full-stack web application with REST API and role-based authentication using JWT and OAuth 2.0
- Adapted to work in an agile team, with daily stand-up meetings, and delivering client's needs in multiple sprints
- Integrated an automated CI/CD pipeline using Gitlab runners, Gradle, SonarQube, and Docker
- Improved skills such as documentation and technical reporting through software such as Confluence and Jira

Spotify Song Recommender System Clone | *Python, Pandas, NumPy, Spotify API*   February 2023 - June 2023
Semester project for AI course at Yildiz Technical University. (For educational purposes only)
- Designed and implemented a proper data pipeline obtaining raw track information from the Spotify API and preprocessing the data
- Analyzed important features and extracted the optimal feature set for the data
- Achieved a high performing similarity function using cosine-similarity with songs vectors

EXPERIENCE

Co-founder / Software Engineer   September 2023 – Present
Flow Software Solutions   *(Remote)*
- Founded a startup dedicated to delivering software solutions tailored for workplaces with dynamic teams, such as restaurants, warehouses, and retail stores
- Pursued ongoing education in financial literacy and business skills, developing a robust understanding of financial principles, budgeting, and strategic planning to strengthen decision-making capabilities
- Developed a REST API as the backbone of a cross platform application focusing on addressing challenges such as scheduling and attendance management

SKILLS

Programming Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS
Research Fields: AI/ML, Natural Language Processing, Computer Vision, Quantum Machine Learning
Frameworks: React, Node.js, Flask, Spring Boot, Tailwind CSS
Developer Tools: Git, Docker, Postman, CI/CD pipelines, SonarQube
Libraries: Pandas, NumPy, Tensorflow, PyTorch, HuggingFaces, Matplotlib
Languages: English (Proficient, IELTS 7.5), Turkish (Proficient), German (Beginner), Persian (Native)