Murat Kaan Meral

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Skills

Technical: **Cloud, LLMs, Agents, Backend APIs,** Tensorflow, Numpy
Languages: **Kotlin,** Java, **Python, Bash,** TypesScript
Soft Skills: Cross-team leadership, Technical communication, Fast-paced collaboration

Education

September 2018   **Delft University of Technology**
July 2021   Bachelor's in Computer Science and Engineering, **GPA: 8.5/10**

September 2013   **TEV Inanc High School for the Gifted**
June 2018   International Baccalaureate

Experience

August 2023   **Software Development Engineer** with Kotlin, Python, Claude
Present   Amazon Q Developer
                    Developed LLM based chat application for AWS Console, Documentation,
                    Marketing, and more. Led multiple projects including development of distributed
                    agents (with supervised agent architecture called extensions), context awareness,
                    guardrails, caching, A/B testing, dynamic UI building, and more.

August 2021   **Software Development Engineer** with Typescript, Bash, AWS
July 2023   Amazon Web Services Cloud9
                    Worked on AWS Cloud9, with focus on data-plane as well as Cloud9 integration
                    with dev environments on Amazon CodeCatalyst.

September 2019   **Full Stack DevOps Engineer** with Java, Bash, Spring, and SQL
July 2021   We Are Frank!
                    Redesigned and modernized the unit testing tool Larva in our open source
                    integration adapter framework used by companies such as ING and NN.

September 2019   **Co-founder** with Python, and Bash
May 2022   Krill
                    Creating a fully automated swarm of boats to measure, model and improve water
                    quality by cleaning water surface from plastic, duckweed and algae.

September 2018   **Software Developer** with Python, Bash, Javascript, C++, and HTML
July 2019   Eco-Runner Team Delft
                    Developed an in-car telemetry system, driver dashboard, and ground based
                    monitoring system.

July 2017   **Backend Developer Intern** with Python, Django, and Bash
August 2017   Artistanbul.io
                    Created a Vagrant based development environment and upgraded server code for
                    security fixes and optimizations.

Achievements

February 2019 July 2021	**Honours Class, Next Generation Robotics** Selected as one of 15 students from 4 faculties based on academic success and past experience for **special interdisciplinary robotics education**.
October 2019 July 2021	**Honours Class, Computer Science and Engineering** Selected for outstanding success at my programme. This program focuses on personal growth and academic success.
July 2019	**Vehicle Design Award & 3rd Place Award** Created a **neural network** for safety braking and real-time decision making for strategy engineers for *Shell Eco Marathon* Europe.
April 2017	**Chairman's Award & Finalist Award** Developed a robot for *FIRST Robotics Competition* Steamworks challenge besides using our skills to help other teams and refugee children.

Projects

February 2019 September 2019	**Zebro RL** with **Python** and **TF-Agents** Developed an agent for swarms using **deep reinforcement learning** for sweeping an area that can be used for patrolling, or search and rescue.
November 2015 May 2016	**TEDxYouth @TEVITOL** with HTML Created a website, and managed light, sound and recording systems to meet TED regulations as a part of the organizer team.
September 2014 September 2017	**Incnet** with PHP, Javascript and HTML Created a school management system to handle day to day management problems for school administrations.

Volunteer

December 2017 March 2018	**Control Systems Advisor at FRC** with Java Responsible for providing technical support for both systems related and code base related problems.