

# Sultan SARIBAŞ

## COMPUTER ENGINEER

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### EDUCATION

#### Abdullah Gül University

2018 - 2022

Computer Engineering

Kayseri, TURKEY

- **Coursework:** Data Structures, Algorithms, Object-Oriented Programming, Database Management Systems, Software Engineering, Operating System, Computer Organization, System Programming in Linux

#### AGU English Preparatory School

2016 - 2018

- English for Academic Purposes

Kayseri, TURKEY

### WORK EXPERIENCE

#### GOHM Electronics & Software | [Project URL](#)

Mar. 2022 – Jun. 2022

Machine Learning Intern

İstanbul, TURKEY

##### Speech Recognition

- A **speech recognition** project that recognizes 14 Turkish command words, the dataset taken from **Kaggle**
- A **multi-classification** machine learning problem
- Applied **ANN**, and **CNN models**, **transfer learning**, and created a **data pipeline**
- **Tools:** Python3, Tensorflow, Keras, NumPy, Pandas, Librosa

##### Anomaly Detection

- An **anomaly detection** project using **time series** dataset
- Applied Principle Component Analysis (**PCA**) to reduce the dataset dimension
- Worked on **Pipeline** creation and maintenance to automatize data preparation and data transfer processes
- Scheduled data processing and model training using **Crontab**
- **Tools:** Python3, Pandas, NumPy, AWS S3

Internship Advisor: Cem Ayyıldız, cem.ayyildiz@gohm.tech

#### Abdullah Gül University | [Project URL](#)

Aug. 2021 – Oct. 2021

Research Intern

Kayseri, TURKEY

- Worked on the **quantum computers** and **quantum computer algorithms** research
- Measured the performance of the semi-finalists **post-quantum cryptography** algorithms of NIST's competition on **Raspberry Pi** boards
- Received approval from **UBMK (An International Conference on Computer Science and Engineering)**
- **Tools:** Raspberry Pi, Ubuntu Operating System, [Open Quantum Safe GitHub Repository](#), Wireshark

Internship Advisor: Samet Tonyalı, samet.tonyali@agu.edu.tr

#### PEPTEAM | [Project URL](#)

Aug. 2020 – Oct. 2020

Software Engineering Intern

Ankara, TURKEY

- Worked on a Service Tracker app with **Flutter** and **Firestore** as team
- Created a brainstorming platform website for IR scholars
- **Tools:** Flutter, Firebase, Wordpress Elementor

Internship Advisor: Emre Elagöz, emreelagoz@gmail.com

## PROJECTS

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### YOUTHINFO | [Project URL](#)

- \* It is a **mobile application** created for 'Creathon' competition organized by AGU Youth Factory. The aim of the competition was to develop an idea within the scope of SDGs(Sustainable Development Goals) in 24-hour and implement this idea.
- \* **Tools:** Flutter

### MEETME | [Project URL](#)

- \* A **mobile application** that provides an environment for people to share their common interests, thoughts and feelings
- \* **Tools:** Android Studio(Java), Firebase

### PERSONAL WEBSITE | [Project URL](#)

- \* **Tools:** HTML, CSS

### ONLINE RESTAURANT MENU | [Project URL](#)

- \* A practical **restaurant menu** system that customers can access the menu by scanning the QR code on the table, and the chefs in the kitchen can synchronously get the orders
- \* **Tools:** React.js, Firebase Database

### HOTEL MANAGEMENT SYSTEM | [Project URL](#)

- \* A **database management system** that provides a website for hotel managers and employees to manage the hotel system and reservation system
- \* **Tools:** MySQL, PHP, HTML

### MUSICA | [Project URL](#)

- \* Prepared a **Blockchain** Project for Music Industry

## TECHNICAL SKILLS

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**Languages :** Python, Java, C++

**Python Libraries :** Tensorflow, Keras, NumPy, Pandas

**Database Management Systems :** MySQL, SQLite, Firebase

**Tools :** Git, GitHub, Trello, Jira

**Web Technologies :** HTML, CSS

**Mobile Technologies :** Android Studio(Java), Flutter

**Others :** Object-Oriented Programming(Java, Python), Linux Shell and Bash Programming

## LANGUAGES

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**Turkish:** Native Speaker

**English:** Advanced Level

## ADDITIONAL ACTIVITIES

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### Board Member of AGU Computer Society Club

2018 - 2022

- Organized mobile programming hackathon, algorithm bootcamp, and broadcasts to increase awareness of computer science

### Board Member of AGU Young TEMA

2017 - 2018

- Organized trekking, and camp to increase awareness of protecting nature

## CERTIFICATES

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### Online Programming Contest For Universities 2020

2021

*Inzva*

- An online algorithm contest

### Introduction to Cybersecurity

2020

*Cisco Networking Academy*

- A 5-day course introduction to cybersecurity

## SCHOLARSHIP

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### AGU Foundation Scholarship for High Performance

2016-2022