# Ali Rostami

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## EDUCATION

- **Islamic Azad University Of Mashhad**                                     Mashhad, IR
  *Bachelor of Engineering in Computer Science; GPA: 3.43 (17.15/20)*        *Sep. 2019 – Present*

## SKILLS

- **Programming Languages**: Javascript, Typescript, Go, Bash, CSS, Arduino, C++, SQL, TeX.
- **Frameworks/Libraries**:
  - **Frontend**: React, Next, Tailwind, Bootstrap, Material
  - **Backend**: Express, Nest, Gin, Mux
- **Technologies**: Git, Docker, Nodejs, Nginx, PostgreSQL, MongoDB, Redis, Kubernetes
- **Platforms**: Linux, AWS, Windows, Arduino, Raspberry,
- **Others**: RESTful, GraphQL, WebSocket, Microservices, CI/CD
- **Languages**: English, Farsi(Persian)

## EXPERIENCE

- **Ardoak Smart Home**                                                     Mashhad, Iran
  *Founder, Software Engineer (Self-employment)*                            *Jan 2022 - Present*
  - **Arduino**: Arduino is an open-source single-board microcontroller, we used Arduinos equipped with Ardoak software as the core of the system.
  - **ESP8266**: The ESP8266 is a low-cost Wi-Fi microchip that was used to make Things(wall sockets, light bulbs etc.) smart

## PROJECTS

- **Portfolio**: My portfolio website. it is 70% completed.

  *- Typescript, Go, Next, TailwindCSS*

- **Ardoak**: Commercial Arduino software for a smart alarm system for houses.

  *- Arduino Nano, Arduino Uno, ESP8266, ESP32, C++*

- **Baagh**: Not yet open-source software written in Go programming language for managing RaspberryPi's GPIO pins without programming.

  *- RaspberryPi 4, Go, Tinygo, C++*

- **ReClass**: Open-source software to automatically record online classes on www.daan.ir and save them as x265 encoded video using FFmpeg for encoding.

  *- Typescript, Nodejs, Puppeteer*

- **Paat**: Open-source software to print anything as a table, also a Go package.

  *- Go, JSON, TOML*

- **Instabot**: Open-source software to simulate human interactions with Instagram and gain followers without getting banned.

  *- Python*

## VOLUNTEER EXPERIENCE

- **ProjMgt.fr Website**                                                    Lille, France
  *Software Engineer*                                                       *Jun 2022 - Present*
  - **React**: React is a free and open-source front-end JavaScript library for building user interfaces based on UI components. Worked on front-end authentication flow and UI/UX.
  - **Express**: Express, is a backend web application framework for building RESTful APIs with Node.js. Worked on complex RESTful APIs, user authentication and website security