

# Parsa Poorsistani

✉ poorsistani13@gmail.com — in linkedin.com/in/parsa-poorsistani — 🌐 github.com/parsa-poorsistani 📞 09196454802

## EDUCATION

---

**Amirkabir University of Technology**, Tehran, Iran  
BSc in Computer Science

2020 — 2025(expected)

## EXPERIENCE

---

**The University of Melbourne**  
*Research Assistant Under Prof. Adel N. Toosi*

Tehran, Iran  
4/2024 — Present

- Working on building a serverless environment for graph processing

**Amirkabir University of Technology**  
*Research Assistant Under Prof. Ahmad Javadi*

Tehran, Iran  
10/2023 — Present

- Contributing to a QoS-aware scheduling system project in Cloud Computing and Operating Systems Lab, aimed at optimizing Kubernetes environments.
- Led the setup and management of a bare-metal Kubernetes cluster, ensuring robust infrastructure for research and development.
- Developed and implemented key components of the scheduling algorithm, contributing to the system's design and efficiency.
- Engineered a comprehensive benchmarking and monitoring environment to evaluate system performance and identify optimization opportunities.

**Amirkabir University of Technology**  
*Teaching Assistant*

Tehran, Iran

- Data Structure and Algorithms
  - Design of Algorithms
  - Advanced Programming
  - Compiler Design
  - Operating Systems
  - Computer Networks
- Fall 2023, Spring 2023  
Spring 2023  
Spring 2023  
Fall 2023  
Spring 2024  
Spring 2024

**System Group**  
*Software Engineer*

Tehran, Iran  
3/2023 — 12/2023

- System Group is Iran's leading ERP company. As an Integral member of the Manufacturing Team, Spearheaded the development of new features, focusing on enhancing user experience and system efficiency.
- Led the refactoring of legacy code, significantly improving system performance and maintainability.
- Diligently identified and resolved critical bugs, ensuring robust and error-free server-side operations.
- Actively collaborated with business teams to align software solutions with strategic objectives.
- Excellent team player with a knack for bridging technical and business perspectives.

**Rahnema College**  
*Software Engineer Intern*

Tehran, Iran  
7/2022 — 10/2022

- Among the elite group of 24 participants selected from over 3000 applicants based on a competitive programming contest and interviews, reflecting strong analytical and problem-solving skills.
- Acquired comprehensive skills in full-stack development, including front-end, back-end, and mobile (Android) programming, along with an introduction to DevOps.
- Collaborated in a team of six to develop a web application, leading back-end development and DevOps tasks.
- Enhanced expertise in managing infrastructure and deployment processes, laying the foundation for future interest and proficiency in this area.
- Developed strong teamwork and collaboration skills in a rigorous, fast-paced learning environment.

**Sefer Educational Solutions**  
*Back-end Developer*

Tehran, Iran  
7/2021 — 1/2022

- I was working on microservice APIs mostly based on Django-rest for an educational consulting product that acts as a task manager for students.
- I worked on an Agency Panel web app for the platform based on Django and built automated testings.

## SKILLS

---

- **Programming:** goLang, Python, Java, C/C++, C#, node.js, BASH, Rust
- **Frameworks, Tools:** Docker, Kubernetes, git, django, PostgreSQL, gRPC, mongodb, .NET, Unix-ish Operating Systems, SQL-Server, RabbitMQ, Redis
- **General:** Data Structures and Algorithms, Problem Solving, Software Architecture, Deep Systems Knowledge, OOP