

Ibrahim Sheikh

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Education

Bachelor of Science in Computer Engineering

K. N. Toosi University of Technology, Tehran, Iran

Sep 2020 - Present

- GPA: 17.20/20 (3.56/4)

High School Diploma

AE High School, Tehran, Iran

Sep 2016 - July 2020

- GPA: 19.63/20

Research Interests

Software Engineering

Operating Systems

Distributed Systems

Programming Languages

Cloud Computing

Machine Learning

Research Experience

Financial Market News Sentiment Analysis

Under Supervision of Boshra Pishgoo

Nov 2024 - Present

K. N. Toosi University of Technology

Teaching Experience

Head Teaching Assistant (HTA) for Internet Engineering

Presented by Mehdi Zamanian

Fall 2024

Teaching Assistant (TA) for Computer Networks II

Presented by Dr. Fatemeh Rezaei

Fall 2024

Teaching Assistant (TA) for Fundamentals of Computer Vision

Presented by Dr. Behrooz Nasihatkon

Spring 2024

Teaching Assistant (TA) for Advanced Programming

Presented by Dr. Mehdi Esnaashari & Mehdi Zamanian

Spring 2024

Teaching Assistant (TA) for Fundamentals of Programming

Presented by Dr. Behrooz Nasihatkon, Mehdi Zamanian

Fall 2023

Teaching Assistant (TA) for Fundamentals of Programming

Presented by Dr. Behrooz Nasihatkon, Mehdi Zamanian

Fall 2022

Teaching Assistant (TA) for Advanced Programming

Presented by Mehdi Zamanian

Fall 2021

Professional Experience

Lead Software Engineer @ Acsidmaad

Tehran, Iran

May 2024 - Present

Led a team of software engineers across multiple projects, designed **scalable systems** aligned with product requirements, developed a **Golang** backend for a **multiplayer game**, and managed **DevOps** infrastructure.

Back-End Developer @ Badals

Muscat, Oman

Sep 2023 - Jul 2024

Developed **Java** backend services with **Spring Framework**, designed **GraphQL** APIs, integrated Thawani/Stripe **payment services** and FedEx shipment services, implemented **multi-tenant architecture**, and used **OAuth** for secure authentication and access control.

Back-End Developer @ Pinket

Nov 2022 - Mar 2023

Tehran, Iran

Developed **RESTful** APIs with **Spring Boot**, used Hibernate for database interactions, built WooCommerce plugins, optimized product search using **ElasticSearch**, and utilized **Sentry** for debugging and bug tracking.

Software Engineer @ UltraTrader

Jul 2021 - May 2023

Tehran, Iran

Worked on multiple **Microservices** with SQL and NoSQL databases, developed **RESTful** APIs with **Express.js** and **Nest.js**, created Jenkins **CI/CD** pipelines, used **Redis** for caching and message queues, utilized **Grafana** and **Prometheus** for monitoring.

Projects

GAM (Gitlab Assignment Management)

Feb 2024 - May 2024

Django, RBAC, Gitlab APIs, CI/CD, Async, Celery Task Queue, Webhooks, Docker

CodeForces/LeetCode Scraper

Jun 2022 - Jul 2022

Java, Spring Boot, JUnit, Cassandra, Maven, Jsoup

DNS Proxy

Jun 2023 - Jul 2023

Python, DNS, Nslookup, Matplotlib

Chessboard Virtualization

Jun 2023 - Jul 2023

Pytorch, CNN, Object Detection, Object Classification, Dataset Annotation, Image Transformation

Genetic Killer Whale Algorithm (GKWA) Project

Jun 2023 - Jul 2023

Genetic Algorithm, Killer Whale Algorithm, Optimization Algorithms

Notable Courses

B.Sc Courses

Algorithm Design	20	Internet Engineering	20
Software Engineering	19	Advanced Programming	19.02
Principles of Database Design	18.7	Fundamentals of Programming	20

Languages

Persian (Mother Tongue)

English (TOEFL: 110/120, R:29, L:28, S:26, W:27)

Extracurricular Activities

Streamlining Course Content Access

Nov 2021- Feb 2023

- Automated course recording
- Optimized recording re-encoding for smaller file sizes
- Delivered content for flexible, self-paced learning

Honors & Awards

- Ranked 1st in the RoboCup Asia-Pacific 2018 Soccer Simulation League.
- Ranked 2nd in the IranOpen 2018 Soccer Simulation League.
- Ranked in the top 0.9% in the nationwide university entrance exam (B.Sc. Konkours).
- Ranked in the top 10% of GPA among university participants for three separate semesters and received grants each semester

References

Dr. Ali Ataollahi

Ali.Ataollahi@gmail.com

Associate Scientist, Boston Children's Hospital, Harvard Medical School

Dr. Mehdi Esnaashari

Esnaashari@kntu.ac.ir

Assistant Professor, Faculty Of Computer Engineering, K. N. Toosi University of Technology

Dr. Behrooz Nasihatkon

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Assistant Professor, Faculty Of Computer Engineering, K. N. Toosi University of Technology

Dr. Boshra Pishgoo

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Assistant Professor, Faculty Of Computer Engineering, K. N. Toosi University of Technology