

SUBAYIN HUSSEIN ABDURESHID

Computer Engineering Student — Network • Systems • Cloud Computing

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PROFESSIONAL SUMMARY

Computer Engineering student at Bursa Technical University with a strong interest in computer networking, Linux systems, and cloud computing. Recently completed Cisco Networking Academy's CCNA: Introduction to Networks certification and developed academic projects in networking, parallel computing, and autonomous systems. Experienced in leading multidisciplinary engineering teams through TEKNOFEST. Seeking a summer internship or IMEP (İşletmede Mesleki Eğitim Programı) opportunity to strengthen practical skills in network infrastructure, system administration, and cloud technologies.

EDUCATION

Bursa Technical University

Bachelor of Science in Computer Engineering

Bursa, Türkiye

Expected Graduation: June 2027

PROJECTS

NetProbe – Reliable UDP File Transfer | *Python, Socket Programming, Computer Networks*

- Developed a reliable file transfer platform over UDP using a custom application-layer protocol.
- Implemented Stop-and-Wait and Go-Back-N ARQ mechanisms with acknowledgements, retransmissions, sequence numbers, and timeout handling.
- Built network performance analysis tools to measure throughput, goodput, RTT, packet loss, and compare UDP with TCP.

Parallel Convex Hull | *Java, Concurrency, ExecutorService*

- Developed a parallel implementation of the Graham Scan algorithm using Java's ExecutorService framework.
- Applied multithreading with Callable, Future, and thread pools to compute local convex hulls concurrently.
- Benchmarked sequential and parallel implementations using datasets of up to 100,000 points to evaluate execution time and scalability.

Velox UGV (TEKNOFEST 2024) | *Python, ROS2, Team Leadership*

- Led a multidisciplinary team of 12 members in the development of an autonomous unmanned ground vehicle for the TEKNOFEST competition.
- Coordinated project planning, task distribution, and preparation of technical documentation throughout the development process.
- Successfully advanced to the TEKNOFEST semi-final stage after passing the Technical Qualification Report evaluation.

LEADERSHIP & ACTIVITIES

UniRobot Student Team

Founder & Team Leader

Bursa, Türkiye

2024 – 2025

- Led a multidisciplinary engineering team in the design and development of autonomous robotics projects.
- Coordinated project planning, technical documentation, and task distribution among team members.
- Represented the team in national engineering competitions and technical events.

MÜSİAD Young Trade Ambassadors

Finalist

Türkiye

2026

- Developed an international business model connecting Turkish IT solutions with Ethiopian SMEs.
- Presented the project before industry professionals and business leaders.

TECHNICAL SKILLS

Networking: TCP/IP, IPv4 Addressing, Subnetting, Basic Routing, Cisco Packet Tracer

Operating Systems: Ubuntu Linux, Windows

Programming: Python, C, Java (Basic), HTML, CSS, JavaScript (basic)

Database: MySQL

Tools: Git, GitHub

CERTIFICATIONS

Cisco Networking Academy

CCNA: Introduction to Networks

June 2026

LANGUAGES

English: Professional Working Proficiency
Working Proficiency

Turkish: Professional Working Proficiency

Amharic: Professional

Oromo: Native