BORA ARCAK

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Python | AI | Data Science | USACO

Detail-oriented Computer Science student (GPA: 4.0) with strong problem-solving skills and a passion for data science, automation, and AI. Proficient in Python, SQL, and TensorFlow. Experienced in building machine learning models, automating IT workflows, and developing web applications. USACO problem solver and frequent coding challenge participant. Seeking remote internship opportunities in software engineering, AI, or data analytics.

WORK EXPERIENCE

Tennessee State University IT Office **08/2022 - 09/2024**
Lab Technician **Nashville, TN**

- Automated user account creation and software updates with Python, cutting manual workload by 60%.
- Designed and maintained university-facing websites to ensure >99% uptime.
- Deployed secure testing software across all campus facilities.
- Integrated a new ticketing system that cut issue resolution time by 20%.
- Provided daily support and training to faculty/staff, ensuring high satisfaction.
- Conducted research on IT infrastructure needs, delivering actionable insights via internal reports.

EDUCATION

B.S. in Computer Science in Computer Science | Concentration: Data Science | Minor: Mathematics

Tennessee State University • GPA: 4.0 Nashville, TN • 05/2026

- Expected: May 2026 | GPA: 4.0 | Full Merit Scholarship
- Relevant Coursework: Data Structures, Databases (SQL), Discrete Math, Calculus I-III, Probability & Statistics, Machine Learning, Algorithms, Intro to Advanced Mathematics, Mathematics for Data Science
- Honors: Dean's List and President's List (All Semesters)

Ayseabla Science High School Ankara, Turkey

Graduated: 2022 | Full Academic Scholarship

CERTIFICATIONS

CS50's Web Programming | Harvard Online
CS50's Intro to AI with Python | Harvard Online
CS50: Intro to Computer Science & Databases | Harvard Online
Mathematics for CS | MIT OpenCourseWare

PROJECTS

ML Photo Discriminator
Trained an image classification model to distinguish between image types using real-world datasets.

AI Tic Tac Toe (Minimax Algorithm)
Built an unbeatable AI using the minimax algorithm to make perfect decisions every game.

Personal Budget Tracker
Developed a web app to help users track expenses and visualize spending patterns.

AI Nim Game
Created an AI strategy game applying game theory and optimal move planning.

Interactive Hangman Game
Built a terminal-based game with scoring, word generation, and validation mechanics.

VOLUNTEERING & LEADERSHIP

Tennessee State University

STEM Tutor**:** Provided weekly in-depth tutoring in Calculus, Physics, and Python. Trained new peer tutors and developed visual learning materials adopted by the Engineering department.

Event Organizer: Led diverse cultural events including food fairs and parades.

Dean's Assistant (App Dev): Helped launch two student-focused mobile applications.

USACO Competitor: Solved Silver and Gold level algorithm challenges.

Ayseabla Science High School

-STEM Researcher: Created Arduino-based smart irrigation system, winning 1st place regionally.

- Coding Club Leader: Led hack nights, coached peers in JS and web development.

- AI Fair Winner: Trained neural net to predict academic outcomes.

- Volunteer Tech Coach: Introduced underserved youth to programming.

- Olympiad Trainee: Prepared for informatics/math olympiads.

- 3-Time Science Fair Champion: Projects in clean energy, ed-tech, and algorithm efficiency.

SKILLS

Programming Languages: C, CSS, HTML, Java, JavaScript, Python, SQL

Libraries/Frameworks: NumPy, OpenCV, Pandas, TensorFlow

Tools: Bash, Git, GitHub, Linux, VSCode

Domains: Algorithm Design, Automation, IT Support, Machine Learning, Web Development

Spoken Languages: Chinese (HSK3), English (Fluent), French (A2), German (A1), Russian (B1), Spanish (B1), Turkish (Fluent)