Ahmed Boray



[silragonryu@gmail.com](mailto:silragonryu@gmail.com) | [github.com/silragon-ryu](https://github.com/silragon-ryu) [|linkedin.com/in/ahmed-ehab-992920344](https://www.linkedin.com/in/ahmed-ehab-992920344) |

**Profile**

Disciplined and purpose-driven computer engineering student at Istinye University, deeply passionate about software engineering, AI, and embedded systems. Known for blending emotional intelligence with technical precision. Currently contributing to AI healthcare research and leading autonomous system design in national competitions. Aspires to build impactful systems that promote human growth, self-discipline, and long-term mastery.



**Education**

B.Sc. Computer Engineering – Istinye University (Ongoing)



**Technical Skills**

**Languages**: Python, C, C++, Java, JavaScript, TypeScript, Dart, Go, Bash, Swift, Kotlin, Rust

**Frontend:** HTML5, CSS3, React, Tailwind, Flutter

**Backend:** Node.js, Express, Django, Flask, FastAPI

**Databases:** PostgreSQL, MySQL, MongoDB, SQLite

**Mobile:** Flutter, Swift, Kotlin

**AI/ML:** TensorFlow, PyTorch, Scikit-learn, Hugging Face, OpenCV

**Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Plotly, SciPy, Excel, Google Sheets, Tableau, Power BI

**Tools:** Git, Docker, Firebase, Jupyter, Colab, VS Code, Linux

**Other:** REST APIs, WebSocket, JWT, OAuth2



**Soft Skills**

Calm Under Pressure, Disciplined, Emotionally Intelligent, Strategic Thinker, Authentic Communicator, Mentor & Collaborator, Purpose-Driven, Grounded, Leadership



**Experience**

Research Assistant – Brain Tumor Detection (ML), Istinye University, Jan 2025 – Present

* Developed CNN-based models for brain tumor diagnosis from MRI/CT data
* Applied transfer learning and built preprocessing pipelines with OpenCV

Automation Lead – Submarine Prototype (Technofest), Mar 2025 – Present - Led automation and control systems using Python and real-time sensor data

* Integrated embedded systems, IoT sensors, and motor control for underwater navigation
* Built simulation environments for system reliability testing



**Projects**

**AI Systems:**

**Credit Card Fraud Detection**: Built and evaluated anomaly detection systems using statistical and ML-based approaches.

**Spam Mail Classifier**: Leveraged NLP and vectorization to classify emails with high accuracy. **Fake News Detection**: Integrated text preprocessing and transformer-based models for detecting misinformation.

**Engineering:**

**Browser Engine (Rust):** Designed a lightweight browser rendering engine, handling basic HTML/CSS parsing and layout logic.

**E-commerce Platform (Flutter):** Full-stack app with cart, user authentication, and product filtering.

**Real Estate & Weather Apps (Kotlin):** Integrated APIs and location services for dynamic data rendering.

**News & Chat Apps (Swift):** Real-time features using Firebase and push notifications. **TikTok Clone (Flutter)**: Recreated core functionality with a custom UI, video feed, likes, and smooth navigation.

**System Design:**

Shinryu AI-Powered Discipline System (In Development): A self-development support system using AI to promote consistency, habit formation, and emotional resilience. Implements reinforcement-based routines, self-tracking, and psychological feedback.

**Robotics:**

Search and Rescue Drone: Programmed autonomous drone with obstacle avoidance, thermal detection, and real-time sensor feedback for rescue missions in unstructured environments.



**Languages**

Arabic (Native), English (Fluent), Japanese (Beginner)