ABREDAGN KEBEDE

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EDUCATION

Adama Science and Technology University (ASTU)   *Adama, Ethiopia*
Bachelor of Software Engineering | GPA: 3.7   *Sept 2022 – July 2027 (expected)*

SKILLS SUMMARY

Languages: Python, JavaScript, Java, SQL, PostgreSQL
Frameworks/Libraries: React, NestJS, PyTorch, AI orchestration frameworks, Pandas, NumPy, Scikit-learn
Tools: Git, Docker, Postman
Platforms/IDEs: VS Code, Jupyter Notebook, Cursor
Soft Skills: Communication, Teamwork, Problem-solving

WORK EXPERIENCE

Fullstack Developer Intern | *Jirtuu Software Labs* —Addis Ababa, Ethiopia
June 2025 – Present

- Contributed to the backend development of **TalktoKeGame**, a mobile app for the Prime Minister's Office that enables citizens to report issues directly to government authorities.

- Designed and integrated the frontend and backend of **Kenna Remit**, an international money transfer platform to Ethiopia, improving secure financial transactions and user experience.

PROJECTS

Diabetes Prediction Model | *Oct 2024*

- Built a machine learning classification system using **Support Vector Machine (SVM)** to predict diabetes based on medical attributes (glucose, BMI, pregnancies, etc.).

- Used the **Pima Indians Diabetes dataset** for training and testing, achieving accurate health predictions to support early medical intervention.

TypeScript (NestJS) Authentication Module | *July 2025*

- Developed a comprehensive **authentication system** with Google and GitHub OAuth strategies in **NestJS**.

- Designed as a reusable, scalable module to eliminate repetitive work across applications, ensuring consistent and secure authentication.

Smart Gebere (AI-powered Agriculture App) | *March 2025*

- Created a **Flutter-based mobile app** that empowers farmers with AI-driven tools:
  - **Crop Recommendations** based on soil, weather, and historical data.
  - **Disease Detection** through AI-powered image recognition of crops.
  - **Weather Forecasting** for efficient planning of farming activities.

CERTIFICATES

Machine Learning Specialization | Coursera – Stanford University & DeepLearning.AI | *June 2025*

- Mastered supervised and unsupervised learning, ML model evaluation, and deep learning foundations.

Community Service Recognition | Government of Ethiopia | *June 2025*

- Honored for hosting a **Tech Festival** to inspire youth with insights into AI, programming, and global technology trends.

Summer Internship Certificate | Jirtuu Software Labs | *Sept 2025*

- Awarded for excellence during a hands-on internship in software engineering.