JAMAICA SALEM

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AI-focused Software Developer with hands-on experience building machine learning models and integrating them into real-world applications. Skilled in Python, JavaScript, TensorFlow, and scikit-learn, with additional exposure to PyTorch and OpenAI APIs. Adept at creating AI-driven tools for predictive analytics, computer vision, and automation. Passionate about experimenting with emerging technologies, rapid prototyping, and translating AI concepts into user-friendly products.

TECHNICAL SKILLS

- **Languages:** Python, JavaScript (ES6+), Dart, C#
- **Frameworks/Libraries:** TensorFlow, scikit-learn, PyTorch, Pandas, NumPy, HuggingFace, Anvil, Streamlit
- **Web/App Development:** Flutter, React.js, Vue.js, Laravel, Django, ASP.NET, HTML5, CSS3, Tailwind CSS, Bootstrap
- **Databases:** SQL, MySQL, Firebase, SQLite, Oracle
- **Tools:** Git, GitHub, Postman, Figma
- **AI Specializations:** Predictive Analytics, Computer Vision, Natural Language Tools, Recommendation Engines, Prompt Engineering, Model Deployment
- **Other:** Automation Scripts, Data Scraping, Data Visualization, UX Personalization

EXPERIENCE

Hackathon Participant – Full Stack Developer | Jun – Aug 2025

- Built a mobile app for farmers with real-time data (Flutter + Firebase)
- Implemented marketplace, weather updates, and stock price tracking features
- Applied Git version control for collaborative coding and issue tracking

Full-Stack Developer Intern | Project LODI – DOST-PES | Jun – Jul 2025

- Developed Laravel–Vue and Laravel–React systems integrating machine learning APIs for automation.
- Improved load times by 35% through query optimization and caching.
- Delivered responsive UI components enhancing UX.

Web/App Developer Intern | The Conscious Folks (Remote) | Oct – Nov 2024

➢ Built Shopify-based web solutions with optimized UX personalization based on analytics.
➢ Managed Git-based workflows and coordinated across international teams.

Full-Stack Developer Intern | Project LODI – DOST-PES | Jun – Sep 2024

➢ Created scalable Laravel–Vue systems, integrated SQL-driven features, and conducted bug resolution.

Website Designer & Developer Intern | Dermatology International Subspecialists | Apr – Jun 2024

➢ Designed and developed responsive website using HTML, Tailwind CSS, and JavaScript.

WordPress Web Developer (Contract) | Holy Angel University | Aug 2023 – Jan 2024

➢ Developed and maintained university news portal, implemented category-based content filtering, and trained staff on CMS use.

NOTABLE PROJECTS

Diabetes Risk Prediction Tool | Model Evaluator & Web App Developer

➢ Built SVM model achieving 98% accuracy for diabetes risk scoring from health data.
➢ Developed dual frontends for user input testing and UI optimization.

Tech Stack: Python, TensorFlow, scikit-learn, Anvil, Streamlit

License Plate Images Deblurring | AI Engineer & Web App Developer

➢ Trained CNN to restore blurred license plate images for enhanced recognition accuracy.
➢ Developed real-time upload interface with instant inference output.

Tech Stack: Python, TensorFlow, Anvil

Decoding MBTI & 16 Personalities | ML Developer

➢ Implemented Logistic Regression to predict personality types from dataset features.

Tech Stack: Python, scikit-learn

Alzheimer's Prediction Using Decision Tree | ML Developer

➢ Achieved 97% accuracy for early Alzheimer's diagnosis using decision tree classification.

Tech Stack: Python, scikit-learn

Happiness & Economics Analysis | Data Analyst

➢ Applied Linear Regression to correlate economic/liquor data with happiness scores.

Tech Stack: Python, scikit-learn

NOTABLE RECOGNITION

National AI Prompt Engineering Competition – Participant, June 2025

➢ Designed optimized prompt workflows for AI tools, producing high-relevance, high-precision outputs.

PROFESSIONAL CERTIFICATIONS

- **AZ-900: Microsoft Azure Fundamentals** – Pearson Vue Academy (Jun 2025)
- **IT Specialist in Databases** – IT Specialist Program (May 2023)
- **CCNA: Introduction to Networks** – Cisco Networking Academy (Jan 2023)

AWARDS and HONORS

- **DOST-SEI S&T Undergraduate Scholar** (2021)
- **Dean's Lister**, Saint Louis University (2021–2022)
- **Academic Excellence**, HS & SHS Top 5/7 Overall
- **Champion Programmer**, Robotics Nationals – All Categories (2020)