# Emmanuel Asante
## Network Automation Engineer - University of Texas at Dallas

in LinkedIn | 📱469-996-1154 | 🌐 Portfolio (Site) | ✉ manny.asante@utdallas.edu | 🐙 GitHub

## Education

**Bachelor of Science – University of Texas at Dallas**                    **Expected: Dec 2023**
- Major: Computer Science | GPA: 3.4

**Associates of Science – Collin County Community College**          **August 2017 – June 2020**
- Major: Computer Science | GPA 3.7 | Achievements: Dean's List, Cyber Security Scholarship

## Skills

**Languages**: Python, C++, C#, Java, JavaScript, TypeScript, HTML, CSS, Database Management (SQL, SQL Server), PHP
**Frameworks**: .NET, React, Express, Vue, Pytorch, TensorFlow, Tailwind CSS, Node.JS, Flutter
**Miscellaneous**: Kubernetes, Docker, Linux Scripting, Agile, Git, Palo Alto Experience, FortiGate Experience

## Certifications

- AWS Certified Cloud Practitioner | CCNA | JNCIA | CompTIA Network + | CompTIA Linux+

## Experience

**Network Automation Engineer - University of Texas at Dallas**          **June 2022 - Present**
- Provided technical support to students and staff to resolve networking issues.
- Implemented network automation frameworks using python and ansible which streamlined our router/switch provisioning and configuration processes. This resulted in a 30% increase in operational efficiency by increasing the number of devices that can be configured at once and removing human error.
- Developed an internal tool for the networking team using the .NET Stack by leveraging existing APIs to integrate our ticketing and network management programs for the purpose of automating various network tasks like modifying DNS records and creating temporary network SSID's. Additionally, the application scanned tickets sent through the university's ticketing system and forwarded it to the appropriate engineers. This reduced the team's mean time to repair by 25%.
- Maintained technical documentation of the network topology and security policies that improved problem resolution by 30% and significantly quickened the onboarding of new engineers.

**Tutor – University of Texas at Dallas**          **June 2021 – August 2021**
- Tutored approximately 50 middle and high school students interested in SWE.
- Created and administered lesson plans on Web development (HTML, CSS, JavaScript), SQL, C++, and Java

**Junior Software Developer - Charlitex Investments**          **April 2014 – December 2016**
- Worked with senior developers to create a several web applications using the MERN stack. My most notable contribution was the redesigning of the company's landing which increased online bookings by 50% to the tune of $30,000 a month. Gained knowledge on SDLC, prototyping, session management, database management.
- Built a desktop application for the customer service team using the .NET framework. The application received data from the customer through a web app and relayed it to representatives. Used a SQL database to maintain customer information using modern encryption and privacy methodologies.
- Collaborated with various stakeholders to integrate new features and resolve any dependencies/conflicts seamlessly.
- Conducted code reviews, identified bugs, and implemented necessary fixes to enhance product quality.

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## Projects

**Machine Learning Portfolio**
- Maintain a repo in my GitHub exploring different machine learning concepts using C++ and Python The concepts include:
    - Image classification
    - Regression
    - Natural Language Processing

**Meet Africa**
- Currently building a cross-platform video-calling application using flutter.
- The application aims to help users in countries with expensive/unstable internet connectivity, specifically in Africa, to join online conferences via GSM.
- The application Utilizes RESTful APIs to integrate the mobile app with existing backend systems, ensuring seamless data exchange and synchronization.
- Implemented features such as user authentication, push notifications, and real-time data synchronization, video-calling and real time text message.

## Volunteer Experience

**Volunteer – Autumn Woods Hospice:**
- Visit and spend time with terminally ill patients every week.
- Assist family members during the grieving process.

**Assistant Choir Director – Church of Pentecost:**
- Hold weekly voice training sessions for current and prospective singers.
- Teach church members music theory and the bass guitar.

**Food Drive Volunteer – Church of Pentecost:**
- Assist in fundraising and handouts of food during the summer for underprivileged individuals.