

# Thabhelo Duve

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## EDUCATION

### Talladega College

Talladega, AL

Bachelor of Arts in Computer Science and Mathematics — GPA: 4.0/4.0

Aug 2023 – May 2027

### Relevant Coursework

Algorithms and Data Structures, Networks, Operating Systems, Web Development, OOP, Calculus I-III, Discrete Math  
Certifications: EwC CS7, EdX CS50, AWS Cloud, Propel - Swift II, AI/ML and Culture, Version Control

## EXPERIENCE

### Data Analyst

Sep 2021 – August 2022

TelOne

Bulawayo, Zimbabwe

- Automated data collection using Excel, reducing manual effort by 50%, and ensuring accurate data retrieval
- Analyzed FTTH data with Python/SQL to investigate low usage, boosting user acquisition by 23% in Q1-Q2 2022
- Developed interactive Tableau dashboards to streamline management's data-driven decisions, and increased report generation efficiency by 30%
- Automated performance report generation using Python and Pandas, cutting manual effort by approximately 20 hours per month
- Enhanced data accuracy by 30% through data cleaning and validation with Apache Spark and SQL

### Information Technology Support Specialist

Jan 2024 – Present

Talladega College

Talladega, AL

- Managed and troubleshooted over 200+ hardware and software issues weekly, including network connectivity, operating system errors, and application malfunctions, achieving a 87% resolution rate within the first 24 hours
- Implemented and optimized an IT asset management system using ServiceNow and Microsoft Endpoint Manager, leading to a 30% reduction in hardware inventory discrepancies and streamlined asset tracking.
- Enhanced network security and reliability by configuring and maintaining Cisco routers and switches, deploying firewalls and VPNs, and conducting regular system audits, which has reduced security incidents and improved system uptime to 99.3%

## PROJECTS

**Holosite** | React, Three.js, WebGL, Tailwind CSS, Vite, Vercel, Git [github.com/thabhelo/three](https://github.com/thabhelo/three) | [thabheloduve.com](https://thabheloduve.com)

- Built a 3D Developer website with React.js, Three.js, and WebGL, featuring interactive animations and responsiveness
- Utilized React Three Fiber and Framer Motion to create immersive 3D animations improving the overall UI/UX
- Integrated EmailJS for functional contact forms, and utilized Vercel for continuous deployment and hosting
- Featured a dynamic 3D hero section, an animated skill showcase with an interactive 3D Earth model

**noVision** | VisionOS, Python, Flask, SwiftUI, RealityKit, REST API, SwiftData [github.com/thabhelo/novision](https://github.com/thabhelo/novision)

- Trained a machine learning model with CoreML and Python for the AR Health Dashboard for Vision OS
- Developed a RandomForestClassifier model for condition prediction, integrating with a Flask backend and REST API for data handling
- Designed a dynamic UI with SwiftUI, RealityKit, and Three.js, featuring interactive 3D animations and SwiftData for secure data management.
- Optimized data processing and deployment using Git, CI/CD, and Docker, ensuring scalability and efficient performance.

## TECHNICAL SKILLS

**Technologies:** Python, SQL (Postgres), JavaScript, HTML/CSS, R, MATLAB, Java, Git, Docker, TravisCI, Google Cloud Platform, AWS

**Frameworks & Libraries:** React, Node.js, Flask, FastAPI, Material-UI, pandas, NumPy, Matplotlib

**Awards & Recognition:** TMCf NexTech Runner-Up, xTech HBCU Finalist, HBCU BoB Runner-Up, President's List

**Career Development:** ColorStack, CodePath, BEYA2024, TMCf, Apple HBCU C<sup>2</sup>, 300+ hrs Community Service

**Languages:** English (Professional Fluency), Zulu (Native), Shona (Native), Spanish (Elementary)