
SAM NYONBEYER DOLUE JR.

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SUMMARY

I am an enthusiastic and humanitarian-minded Computer Engineering Student dedicated to leveraging technology for social good. I am passionate about programming, circuit design, data analysis, and network analysis, with a holistic understanding of computing systems. My goal is to create innovative solutions that address real-world challenges, from developing efficient algorithms to crafting sustainable electronic circuits. I am excited to build a foundation that will shape the future of technology while contributing positively to society and seeking opportunities to further develop skills and contribute to my country.

EXPERTISE

Computer Architecture & Organization

Machine Learning

SKILLS

Programming Languages: C++, Python, Java, C#

Web Development: PHP, JavaScript, HTML, CSS

Version Control: GitHub

Database Management: SQL, NoSQL

PROJECTS

Smart Traffic Management System

- Developed a real-time traffic management system using IoT devices, Raspberry Pi, and machine learning to predict traffic patterns and optimize signal timings.

Self-Driven Robots with Arduino

- Built autonomous robots for obstacle detection and navigation using Arduino and Bluetooth modules for remote control and performance analysis.

DSA Arrays and Sorting Algorithms Visualizer

- Created an interactive web application to visualize sorting algorithms and array operations using HTML, CSS, and JavaScript.

Weather Prediction System using Arduino

- Developed a system using environmental sensors to predict weather conditions, aiding in personal and agricultural planning.

Automated Irrigation System

- Designed an irrigation system with soil moisture sensors and embedded systems for optimal water usage, integrated with a web interface for remote control.

E-Commerce Product Recommendation System

- Built a personalized recommendation tool using user behavior and purchase history to enhance customer experience and drive sales.

RESEARCH INTERESTS

- Advanced E-Commerce Product Recommendation Systems using Machine Learning
- Internet of Things (IoT) for Smart Systems and Automation
- Cybersecurity in IoT and Emerging Technologies
- Data-Driven Predictive Analytics and Decision-Making

CERTIFICATION & TRAINING

- IT Technical Course (May-2018)
- Basic Computer and Network Course (March 2019)
- Desktop Management Basics (November 2021)
- Statistics for Data Science (September 2024)

AWARDS & HONORS

- Spelling Bee Gold Medal, T.W.I Junior High School (May 2014)
- Gold Academic Award, T.W.I Junior High School Honor Roll (December 2014)
- STUDY IN INDIA Fully Funded Scholarship (Aug 2021 – June 2025)

LANGUAGES

- English: Native
- French: Basic

EDUCATION

- **High School Diploma**
M. Nixon Garlo Evangelical Lutheran, Grand Gedeh,
Liberia (Sep 2015 – Aug 2019)
- **B. Tech in Computer Engineering**
CV Raman Global University, Bhubaneswar, India
(Sep 2021 – June 2025)

REFERENCES

Rev. G. Zakpa Dweh

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