# JAYDEN AKPALU

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East Legon, Ghana

**Objective:** I love math, physics and programming, and I'm eager to study Electrical and Computer Engineering. This field excites me because it merges hardware and software to create practical solutions to world problems. My goal is to develop innovative smart grids to tackle Ghana's energy crisis and a technology to combat illegal mining.

## EDUCATION & TESTING

### High School Diploma Programme - General Science
Presbyterian Boys' Secondary School, Legon

*04/2022 - 09/2024*                                    *GPA: 4.0/4.0*

*Relevant Coursework:*

- Calculus, Statistics & Probability, Electives (Biology, Physics & Chemistry), English Language, French (Intermediate)
- SAT TESTS (04/05/2024): Reading and Writing - 730/800 Math - 790/800 | Total Score - 1520/1600

## ACTIVITIES & EXPERIENCE

### Co-founder and Vice President
MISE Problem Solving Club (Grade 12, Post Graduate)

*Achievements/Tasks*

- Worked closely with two friends to establish and inaugurate the MISE Problem Solving Club- a Math Olympiad club- in my school and other high schools.
- Provided tutoring sessions to train and mentor 100+ students for math competitions such as the MISE Math Olympiad, AMC, IMO, and Kangaroo Math.
- Honed my leadership, teamwork, problem solving, public speaking, and organizational skills.

### Founder
ThinkCode (Grade 12, Post Graduate)

*Achievements/Tasks*

- Founded a weekend coding training programme for 13 students in my community, Oyarifa.
- Tutored 13 students in HTML, and CSS, mentoring them to build simple projects, including image galleries.

### Lead Numeracy Researcher
National Sharks Quiz Competition Team at Presbyterian Boys' Secondary School, Legon (Grades 11,12)

*Achievements/Tasks*

- Gathered 300+ questions and organized 30-hour weekly drills; improved contestant aptitude by 50% and helped him win Best Numeracy Contestant Award.
- Won the National Competition out of 150+ competing schools.

### Member
Robotics and Programming Team at Presbyterian Boys' Secondary School, Legon (Grades 10, 11, 12)

*Achievements/Tasks*

- Placed 3rd at the Ghana Robotics Competition (GRC), demonstrating our team's abilities in various fields of robotics, including microprocessors such as the Raspberry Pi.
- Presented two advanced projects at the school's 85th Speech and Prize Giving Day: a personalized Robotic Intelligent Chatbot (RIC) and a claw mechanism using a LEGO EV3 Controller.

## AWARDS & ACHIEVEMENTS

National 2nd Runner Up, CITI FM Literacy Challenge (Grade 9, National)

Semi-Finalist, American Mathematics Competition 12 (AMC 12) (Grade 11, National)

Semi-Finalist, MISE Math Olympiad Program (Grade 10, National)

Honorary Member, National Society of High School Scholars (NSHSS) (Grade 12, International)

Valedictorian, De Youngster's International School, Adentan (Grade 9, School)

Best Performing Student in Core Mathematics, Presbyterian Boys' Secondary School (Grade 10, School)

National Champion, The National Sharks Quiz Competition (Grade 12, National)

Recipient, Headmaster's Academic Excellence Award for graduating with a 4.0 GPA (Grade 12, School)

Winner, Presbyterian Boys' Secondary School Inter-House English Proficiency Test (Grade 10, School)

National 2nd Runner Up, Tomorrow Foundation's Tech Innovation Challenge (Grade 11, National)

## SKILLS

Hard Skills: Programming (Python, JavaScript), STEM, Research, Web Design and Development, SEO Optimization, MS Powerpoint

Soft Skills: Leadership, Teamwork, Volunteering, Communications, Problem-solving

Languages: English (Proficient), French (Basic), Ewe (Native), Twi (Native)

## ADDITIONAL INFORMATION

- My Personal Portfolio Website Showcasing My Achievements: https://tinyurl.com/jaydenakpalu

- Featured on Citi Newsroom for receiving an award of excellence from the Member of Parliament of my constituency: https://citinewsroom.com/2021/10/adentan-mp-gifts-2nd-runner-up-of-citi-fms-2021-literacy-challenge-laptop/

- Featured on Ghana News Agency for co-founding the MISE Problem Solving Club in Presbyterian Boys' Secondary School, Legon (PRESEC Legon): https://gna.org.gh/2024/02/presec-legon-inaugurates-mise-problem-solving-club-for-creative-thinking/