



ALLAN KHESTER MESA

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OBJECTIVE:

To secure a challenging role in a dynamic organization where I can leverage my technical skills to contribute to innovative projects and achieve organizational goals. I am eager to learn and grow in a collaborative environment while continuously enhancing my expertise in back-end engineering.

SUMMARY OF QUALIFICATIONS:

- Highly motivated Computer Science student with a solid foundation in back-end engineering and a passion for software development.
- Proven ability to design, develop, and implement innovative solutions to complex problems.
- Skilled in various programming languages, frameworks, and database technologies.
- Proficient in leveraging AI technologies such as LLMs (e.g., Gemini, ChatGPT) to enhance and speed up development processes and drive innovation.
- Excellent problem-solving, teamwork, and communication skills.
- Strong commitment to continuous learning and growth

SKILLS:

- **Languages:** Python, Java, JavaScript, C#, HTML5/CSS, SQL (MySQL, SQLite)
- **Development Environments:** Visual Studio, VS Code, PyCharm, Eclipse IDE, Google Colab, Jupyter Notebook
- **Frameworks, Libraries & Version Control:** Supabase-py, SQLAlchemy, FastAPI, Git & GitHub
- **Database & Backend:** Supabase, Vercel
- **Technical Skills:** Database Design, RDBMS, REST API

PROJECTS:

- **Attendance Monitoring System API:** Developed a robust API using FastAPI and Supabase to track and manage attendance records. Deployed on Vercel for seamless integration. Used by Louisian BSCS/BSIT organization to track the attendance of its members in various school events.
- **Password Generation and Testing API:** Created an API using FastAPI to generate and test secure random passwords. Implemented customization options and password strength testing.
- **GWA-Calculator:** Built a web application using Next.js, Tailwind CSS, and TypeScript to calculate students' General Weighted Average. Deployed on Vercel. Actively being used by Lousian BSCS/BSIT students for convenient and accurate calculation of their grades.

EDUCATION:

2022 - 2026 **Bachelor of Science in Computer Science**

Cum Laude

University of Saint Louis Tuguegarao

Tuguegarao City, Cagayan Valley

2021 - 2022 **Senior High School (STEM)**

With Honors

St. Paul University of the Philippines

Tuguegarao City, Cagayan Valley

2016 - 2020 **Junior High School**

With High Honors

Wonderful Grace Learning Center

Quirino, Isabela

2010 - 2016 **Elementary**

Class Valedictorian

Luna-Suerte Elementary School

Quirino, Isabela

AWARDS AND HONORS:

2022 - 2026 **Consistent President's Lister**

Undergraduate (BSCS)

University of Saint Louis - Tuguegarao

2024 **2nd place**

Research Innovation and Scientific Endeavors IDEATECH Competition

University of Saint Louis - Tuguegarao

2024 **2nd place**

Programming Competition

University of Saint Louis - Tuguegarao

CERTIFICATIONS:

- **Intro to Python** - Coddy Team, 2024
- **Python Fundamentals** - Kovid Panthy, 2024
- **Object Oriented Programming in Python** - Kovid Panthy, 2024
- **Java Fundamentals** - Coddy Team, 2024
- **Basics of Classes and Objects in Java** - Coddy Team, 2024
- **Intro to JavaScript** - Coddy Team, 2024
- **Object Oriented Programming in JavaScript** - Jack Biofryd, 2024
- **C# Fundamentals** - Coddy Team, 2024
- **Basics of Classes and Objects in C#** - Coddy Team, 2024