

GUNDUMALLE ASHLIN JOEL

+91 9515748415 | ashlinjoel30sizzin@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Hyderabad 500025, India

EDUCATION

Vellore Institute of Technology, Vellore
Bachelor Of Technology, Computer Science

October, 2021 - Present

Narayana Junior College, Hyderabad
Intermediate Education, PCM

June, 2019 - April, 2021

St. Patrick's High School, Hyderabad
Secondary Education

June, 2009 - March, 2019

PROJECTS

Rock Fetch: A Hostel Student Essentials Website [URL](#)

- Led a team in developing a full-stack web application for hostel students, utilizing HTML5, CSS, JavaScript, Node.js, Express, EJS, and PostgreSQL for both frontend and backend functionality.
- Developed RESTful APIs, managed session handling, optimized databases, and ensured data security. The website is nearly complete and will soon be hosted, providing an innovative solution for hostel students.

HawkAI: A Gesture Based Restaurant Food Ordering System [URL](#)

- Led the development of an AI-powered, gesture-based restaurant food ordering system, using HTML5, CSS, JavaScript, Node.js, Express, EJS, and PostgreSQL, to create a contactless dining experience for individuals with disabilities.
- Developed RESTful APIs, managed sessions, and optimized PostgreSQL databases. Currently integrating a Flask-based gesture recognition algorithm to enhance system functionality.

ThermoSense: AI-Powered Physiological Monitoring and Risk Assessment System

- ThermoSense is an AI-powered system that monitors physical activity and body temperature using IoT sensors in smartphones or smartwatches to assess health risks during intensive tasks.
- It utilizes Temporal Convolutional Networks (TCN) and Gated Recurrent Units (GRU) to analyze real-time data and provide timely alerts to prevent potential health issues.

Enhanced Human-Computer Interaction for Smart Surgical Systems

- Developed an AI, ML, and IoT-driven surgical automation system that consolidates control of devices like lights, ultrasound machines, and cameras into a single interface for minimal manual adjustment.
- Designed an algorithm using Python, OpenCV, TensorFlow, and IoT to communicate with devices via a digital-to-analog converter, enhancing precision and efficiency in surgical procedures.

SKILLS

TECHNICAL SKILLS

- Cloud Computing:** AWS Cloud Architecting, AWS Management Console, and designing scalable cloud architectures.
- Full Stack Development:** HTML, CSS, JavaScript, Node.js, Express, EJS, jQuery, React, and developing RESTful APIs.
- Database Management:** PostgreSQL, MySQL, MongoDB, and implementing salting and hashing techniques.
- Programming Languages:** Python, C, C++, and Java.
- Tools:** GitHub version controlling and Canva for UI/UX design, MS Office.

SOFT SKILLS

- Leadership, Effective Communication, Teamwork, Problem Solving, and Time Management.

CERTIFICATIONS & LICENSES

• AWS SOLUTIONS ARCHITECT - ASSOCIATE [URL](#)

Issued by: AMAZON WEB SERVICES
Issued on: December, 2023
Valid Till: December, 2026

• AWS CLOUD PRACTITIONER [URL](#)

Issued by: AMAZON WEB SERVICES
Issued on: November, 2023
Valid Till: December, 2026

• FULL STACK DEVELOPER [URL](#)

Issued by: Udemy
Issued on: November, 2023

• RESPONSIVE WEB DESIGN [URL](#)

Issued by: AWS Training and Certification
Issued on: September, 2023

POSITIONS

HEAD BOY
St. Patrick's High School

June, 2018 - March, 2019

PUBLICITY, OUTREACH AND FINANCE HEAD
VIT Anchoring Club

May, 2023 - February, 2024