Rajendra Prasad Issar
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EDUCATION

Indiana State University, Terre Haute, IN

- **Bachelor of Science in Computer Science (Concentration in Data Science)**
  Graduation Date: May 2025 | **GPA: 3.51 / 4.00** | Dean's List Recipient
- **Planned Master of Science in Computer Science (Data Science)**
  Anticipated Admission – Indiana State University

TECHNICAL SKILLS

- **Programming:** Python, Java, C, C++, SQL, Git, Data Structures & Algorithms, OOP
- **Technologies:** TensorFlow, OpenCV, Flask, NLP, Streamlit
- **Interests:** Machine Learning, Deep Learning, Full Stack Development, AI, Software Engineering

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PROJECTS

Gym & Health Planner *(Python, Random Forest, Streamlit)* **(Aug 2024 – Present)**

- Built an ML-based web application that generates personalized exercise plans using smart filtering and recommendation algorithms.
- Utilized Pandas for data handling, ensuring well-balanced workouts tailored to intensity levels.

ShirtTryOn *(OpenCV, TensorFlow.js)* **(Mar 2024 – Jul 2024)**

- Developed a virtual try-on feature for shirts, integrating real-time image processing for an interactive shopping experience.
- Enhanced user engagement by allowing dynamic previews of different shirt designs.

Geospatial Query System *(Flask, NLP, Machine Learning)* **(Nov 2023 – Feb 2024)**

- Designed an NLP-powered geospatial query system to extract and analyze location-specific data.
- Used Spacy's transformer model and OpenNMT for precise geospatial recognition and multilingual support.

WORK EXPERIENCE (Part-time Roles at Indiana State University)

Computer Science Tutor (Aug 2024 – Present)

- Assisted students with programming concepts, data structures, and algorithms, improving academic performance.
- Designed customized study plans and collaborated with faculty to enhance tutoring strategies.

Building Supervisor – Campus Recreation Center (Oct 2024 – Present)

- Led teams of 8–10 student workers per shift, ensuring smooth facility operations and enforcing policies.
- Managed emergency response situations and maintained a safe environment for patrons.

CERTIFICATIONS & ACHIEVEMENTS

- Certified in Python for Data Science, Machine Learning with Python (IBM)
- Discrete Mathematics, C Programming (IIT Madras & IIT Kanpur)
- Mathematics for Machine Learning: Linear Algebra (Imperial College London)
- Adult & Pediatric First Aid/CPR/AED (American Red Cross)

RESEARCH & PUBLICATIONS

- *"Data-Driven Oil Spill Detection System: AIS Automated Monitoring in Maritime Environments"*
- *"Decrypting the Cipher: A CNN-FNN Pipeline for Cryptographic Algorithm Detection"*
- *"An Effective Approach for Kidney Disease Detection Using Transfer Learning" (SEEJPH, 2025)*

EXTRACURRICULARS & LEADERSHIP

- Active member of Indiana State University AI & Machine Learning Club
- Volunteer for Hackathons & Coding Bootcamps