Kausshik Manojkumar

in www.linkedin.com/in/kausshikm ✉ kausshikmanojkumar@gmail.com 📞 5157157861
○ https://github.com/KAUSSHIK

Education

Bachelor of Science - Computer Science, Mathematics Minor, Honors   Expected Graduation: May 2025
Iowa State University 🔗
GPA: 4.0 | Dean's List Fall 2021, Spring 2022 | University Honors Program |Top 2% at University, President's Mention

Coursework: Object Oriented Programming (Java), Data Structures and Algorithms, Introduction to Programming (Python), Discrete Computational Structures, Calculus, Introduction to Digital Logic

Skills

Languages: OOP Java (Proficient), Python (Proficient), MySQL (intermediate), MySQL Connectivity (Intermediate), Verilog
Technologies: GitHub, Git, HTML(Beginner), CSS(Beginner)
Soft Skills: Teamwork, Problem Solving, Quick Learner, Leadership, Communication

Work Experience

Iowa State University, College of Liberal Arts and Sciences 🔗   08/2022 – Present │ Ames, IA
Student Technician
Highly flexible and resourceful student worker who deals with hardware and software issues the department may face as a team. Main responsibilities include troubleshooting, managing tickets, OS Deployments, and System Configuration.

Iowa State University, Department of Physics 🔗   12/2021 – 05/2022 │ Ames, IA
Undergraduate Research Assistant, under Dr. Mayly Sanchez
Worked on a team of two to analyze the wealth of neutrino interaction data the NOvA experiment (conducted by Fermilab) had collected. Made plots in the CAFAna Framework to study this rare neutrino interaction data.

Certifications

DSA in Java 🔗	**Java Certification** 🔗	**Python Certification** 🔗	**Problem Solving (DSA)** 🔗
Great Learning	*Hackerrank*	*Hackerrank*	*Hackerrank*

Projects

Poker Hands Evaluator and other Java Projects 🔗
Technologies Used: Java (Inheritance, Classes, Interfaces, Objects, Conditional Statements and more)
Implemented a collection of classes for evaluating the value of hands in card games such as poker for a Java course.

Email Notification System 🔗
Technologies Used: Google's Distance Matrix API, MySQL Connectivity, Reverse Geocoding, APIs, Smtplib,
Wrote a script in Python that notifies the client's employer automatically if they will be running late for work/class.

Hand Cricket Game 🔗
Technologies Used: Python, MySQL, MySQL.Connector
Coded a game in Python that lets the client play the nostalgic game of hand-cricket. Stores all the match details in a MySQL database to aid post-match analysis and relative performance.

Accomplishments and Honors

- **National Talent Search Examination Scholar**: Placed in the top 2000 out of 1.5 million students.
- **General Award for Superior Academic Performance**: Issued by Iowa State University, Department of Physics.
- **Liberal Arts and Sciences Deans Academic Excellence Award**: Awarded for excellence throughout High School.
- **Cleared IIT-JEE Mains**: Scores 98.9+ percentile, i.e., Ranked in the Top 10,000 out of 1.5 million students.
- **Advanced Placement (AP Exams) Scholar with Honors**: perfect score of 5 on three assessments taken.

Extracurricular Activities

- **Royal Commonwealth Society, India Malaysia Student Exchange**: one of the representatives of India at the event to discuss the current status and potential methods to attain the 17 Sustainable Development Goals (SDGs) as outlined by the UN.
- **Olympiad Gold Medalist**: Placed first in a school of 3000 students. Subjects covered: Physics, Chemistry, and Logic.
- **Founding Member**: of Autonomous Robotics Club at Iowa State University
- **Club Member**: Physics and Astronomy Club, CSE Club, SAE Aero, SAE Formula, ARC
- **Club Volunteer**: Chennai Scientific Society