

Ekansh Bansal

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- Objective:** Seeking an internship in the field of Electrical Engineering or Computer Engineering
- Education:** **Bachelor of Science, Computer Engineering** **May 2026**
Rose-Hulman Institute of Technology, Terre Haute, IN **GPA 3.1/4**
Relevant Courses: Engineering Practice, Intro to Software Development, DC Circuits, AC Circuits, Introduction to Signal Processing, Object-Oriented Software Development, Introduction to Digital Systems, Ac Circuits, Introduction to Embedded Systems, Circuits and Systems, Data structures and Algorithm Analysis, Electronic Device Modelling, Continuous Time Signals and Systems.
- Skills:** **Software:** Python, MySQL, C, C++ Energia, Arduino, Quartus, ModelSim, MySQL, HTML, TensorFlow, MATLAB, NI Multisim, TinkerCad, Rasberry Pi, Verilog, CAD, Solidworks, VDHL
Hardware: Breadboards, Wiring, Dc/AC Circuits, Rasberry Pi, LEDs, Transistors
Language: Fluent in English, Hindi, French
- Entrepreneurship:** **Co-Founder at Inara (Non-Profit Organization)** **May 2020-Aug 2022**
- Raised **\$125,000+** in Dec'21 for installing water coolers in Jaipur, India
 - Boosted local diminishing businesses
 - Received community welfare award
- Internship:** **Tinkerly, Jaipur, India** **June 2023-Aug 2023**
- Designed and implemented engineering projects for college students using Rasberry Pi and TinkerCad
 - Debugged hardware and programming issues on existing projects based on participant feedback
 - Went to different colleges and schools to install ECE labs and conducted instructor training
 - Documented each design and executed final procedures to launch them
 - Some projects: Weight sensors on Raspberry pi, Ultrasonic distance meter, GUI program etc.
 - Wrote step by step instruction manual for each design
- PHI Space, Jaipur, India** **May 2021- Sept 2021**
Machine Learning Intern
- Utilized TensorFlow to create graphs, charts, an array of applications, and stock predictions
 - Collected, analyzed, and synthesized findings from data to build an intelligent data-driven model
 - Hashed leaked passwords database using SHAs which was used to enhance data security
- Projects:** **Management Software:** **Aug 2021- Present**
- Created data management software for Manav Seva Blood Centre using MySQL
 - Volunteered at Muskaan NGO and verified integrity of data security and fund management
- Rose-Hulman Institute of Technology:**
- Developed a Swerve Car controlled using a microcontroller programmed in Arduino
 - Developed a Tower defense game in Python
 - Fixed a generator at Pi Kappa Alpha (Rose-Hulman)
- Activities and Leadership:**
- Published a book on Yoga on Amazon (<https://amzn.to/3V1ePmM>)
 - Technothon 2021- IIT Guwahati, State Rank 1 out of 3000 participants
Participated in group projects, worked out various mind analysis tasks, solved algorithms and puzzles
 - Nasa Pathfinder Graduate (Degree in STEM): Pathfinder STEM certificate from U.S. Space & Rocket Center, Huntsville, Alabama
 - Founded CyrptX (Tech Club) at High School and got funding for organizing robotic competitions.
 - Computer Security Club
 - IEEE Rose- Hulman
 - Soccer Club
 - Pi Kappa Alpha Fraternity