

# Yash Gulati

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## Education

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### University of Illinois at Urbana-Champaign

Champaign, Illinois

*Bachelors of Science, Computer Engineering* | *Minor, Statistics* | *Tech. GPA: 4.0* | *GPA: 3.96*

*Expected Graduation: May 2029*

- **Honors:** James Scholar, Deans List.
- **Relevant Coursework:** Object-Oriented Programming, Java (Honors); C++ Object-Oriented Programming (Honors); Introduction to Electronics; Introduction to Computing; Calculus I, II, III; Calculus-based Physics - Mechanics; Discrete Structures;

## Technical Skills

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- **Languages / Tools:** Python (Libraries: Numpy, Pandas, Matplotlib, scikit-learn, pytorch), Tensorflow, Java, C++, C, React.js, SQL, Javascript, HTML5/CSS3, Assembly, Git

## Relevant Experience

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### Fiverr.com

Jakarta, Indonesia

*Freelance Web Developer*

*Oct 2021 - Aug 2024*

- Completed 50+ orders editing/building websites with HTML5/CSS/JS
- Collaborated with 10+ founders and startups to build and manage websites, finding the best web hosting solution (Netlify)
- Applied Google Firebase, Netlify, and Vercel to host websites, connect domains
- Worked on Tiger Princess NFT Club - helped build multiple websites from the ground up, worked on brand advertising and web development
- Employed features such as Light/Dark mode, authentication using Firebase, and Django databases.

## Extracurricular Experience

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### Solar Car Team Illinois

Champaign, Illinois

*Strategy Team Member*

*Aug 2025 - Dec 2025*

- Utilized Python and SQL to analyze 240,000+ of lines of data related to battery voltage, battery power, current, and more related metrics for car information
- Analyzed data using Pandas, Polars, and numpy, using Matplotlib to visualize graphs and metrics
- Implemented Pickle to read, write, and save dataframes
- Ran calculations for output voltage, output current, and output power for the 3 MPPTs of the car
- Parsed eight JSON files to plot voltage vs time graphs for 32 modules of the battery in the car, and worked on excluding outliers to improve models

### National Organization of Business and Engineering Illinois Chapter

Champaign, Illinois

*Consultant for LiveSky*

*Aug 2025 - Dec 2025*

- Researched the Drone market in the U.S., including competitors, market growth, and SWOT analysis
- Brainstormed various proposals for market entry into the U.S., including EMS, Firefighter, and Construction drone