

# Vaibhav Makar

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## EDUCATION

### UNIVERSITY OF ILLINOIS

URBANA CHAMPAIGN

### BS IN COMPUTER ENGINEERING

Expected May 2021 | Urbana, IL

### BISHOP'S SCHOOL

Grad. May 2017 | Pune, India

## LINKS

Github:// [vmakar](#)

Devpost:// [vmakar](#)

LinkedIn:// [vaibhavmakar](#)

Flickr:// [vaibhavmakar](#)

## SKILLS

Java • C++ • Python • HTML • CSS  
NodeJs • ReactJS • JavaScript • C  
Linux CLI • MongoDB • ExpressJS

## LEADERSHIP & AWARDS

- **Illini Venturing 1867**  
Crew Officer
- **The Maize Report**  
Co-Founder and Editor
- **Modern Education Society Quiz**  
2nd Place in Final, 2016
- **TCS IT Quiz**  
2nd Place in Regional Final, 2016
- **SOF Cyber Olympiad**  
3rd Place in Regional Final, 2015

## COURSEWORK

Discrete Mathematics  
Computer Systems & Programming  
Electronics  
Data Structures  
Analog Signals and Systems  
Probability  
Artificial Intelligence  
Databases (In Progress)  
Virtual Reality (In Progress)  
Digital Signal Processing (In Progress)

## PROJECTS

### ILLINI SOLAR CAR | TELEMETRY AND STRATEGY

August 2018 – Present | Urbana, IL

- Leading a team of over 20 students to work on projects involving development of a web interface, and performing analysis on datasets from previous races
- Building a Telemetry Interface to communicate data from the car, using NodeJS, MongoDB, ExpressJS and ReactJS
- Make strategic decisions for the team based on the data, including at an international competition held in Texas where we achieved 4th place

### BALLOT

February 2018 | Urbana, IL

- Created a responsive and searchable Web App on a Firebase backend that uses Google's Civic Information API to display upcoming local elections, and Google Maps API to display nearby polling locations
- This project was a submission to HackIllinois 2018

### PROJECT 829

Sep 2017 – December 2017 | Urbana, IL

- Created a landing page for an app
- Worked with team to develop an Android app Trade, which allows you to seamlessly share social media profiles with a single click

### HACKREACTION

June 2016 – August 2016 | Pune, India

- Organized a hackathon for 150 students, sponsored by Thoughtworks
- Handled all technical responsibilities including development of website, rules of events, and management of workstations for attendees

## EXPERIENCE

### CATERPILLAR | INTERN

January 2020 - Present | Chicago, Illinois

- Software Engineering intern on the Architecture team at Cat Digital
- Working on a telematics dashboard to display live data streamed from devices using React, NodeJS and AWS services including SQS, ECS and Kinesis Streams.

### ACCESSIBLE MEDIA SERVICES | MULTIMEDIA ASSISTANT

August 2018 - August 2019 | Champaign, Illinois

- Transcribing lecture videos for the Division of Disability Resources & Educational Services at the University of Illinois - Urbana Champaign

### SPEAK | IT TEAM MEMBER

January 2016 – July 2017 | Pune, India

- Organized open mics and performance showcases
- Created and maintained website and provided other technical assistance

### TATHAPI | VOLUNTEER

April 2016 – May 2017 | Pune, India

- Improved website interface
- Digitized and uploaded the library of health resources and managed their social media presence