

# KRUTHIKA GIRISH

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## EDUCATION

**Master of Science in Computer Science**  
University of Illinois, Springfield, Illinois

**August 2018 - May 2020**  
**GPA: 3.2/4**

**Bachelor of Engineering in Information Science**  
Visvesvaraya Technological University, Karnataka, India

**August 2013 - June 2017**  
**GPA: 60.9/100**

## TECHNICAL SKILLS

<b>Programming Languages &amp; Databases</b>	Java, Python, C, Unix Shell Scripting, SQL, MySQL, PostgreSQL, MongoDB
<b>Web Technologies</b>	HTML, CSS, SASS, JavaScript, PHP, Node.js, React.js, REST API
<b>Frame Works</b>	Spark, jQuery, Bootstrap, Express.js, Passport.js, Semantic UI, Flask, Android Studio
<b>Cloud Services &amp; Industry Knowledge</b>	AWS, SEO, SDLC, Scrum, GIT, Adobe Creative Suite
<b>Soft Skills</b>	Time Management, Problem-Solving, Adaptive Learner, Cohesive Team Player
<b>Certifications</b>	<b>The Complete Web Developer in 2020: Zero to Mastery</b> by Udemy

## EXPERIENCE

**Freelance Graphic Web Developer/Designer**

**Nov 2020 – Jan 2021**

- A designer passionate about understanding users, building design systems, and working on multi-disciplinary teams.
- Designed Logo, Business card, and Poster for the start company called as RK Electrical Engineering Company.
- Designed the contents and the design using the Adobe Creative Suite tools: Adobe Photoshop and Adobe Illustrator.

**Research Volunteer Internship | University of Illinois, Springfield, IL – United States**

**April 2020 – Nov 2020**

- Worked on a research project to make efforts to conserve threatened and endangered species from both animal kingdom and plantae kingdom in Canada using Deep Learning Techniques under an assistant professor.
- My duties were to collect the image data for the threatened and the endangered species using search filter to narrow down the search. Other Duties: Software Design and Implementation.

**Intern | Invention Technologies, Bangalore, KA – India**

**August 2017 - Oct 2017**

- Completed an Internship based on Raspberry Pi and Python. Worked on Raspberry Pi practically and learnt about IoT Analytics. **Technologies/Environment:** IoT, Python, Raspberry Pi

## PROJECTS

**RK Electrical Engineering Company Design [Adobe Creative Suite]**

- Designed logo, poster, and business card for the start-up company called RK Electrical Engineering Company.
- Designed the contents and the design using the Adobe Creative Cloud tools: Adobe Photoshop and Adobe Illustrator.

**Research Project**

- Worked on a research project to make efforts to conserve threatened and endangered species from both animal kingdom and plantae kingdom in Canada using Deep Learning Techniques.
- Duties were to collect the image data of all the threatened and endangered species in Canada. Other duties involved were: Software Design, and Implementation.

**Portfolio [HTML, CSS, Bootstrap, JavaScript]**

- Developed a responsive website using bootstrap focusing on displaying the objectives and show casing my work.
- Used CSS grid for the layouts of the webpage and JavaScript for scrolling the description on the thumbnail.

### **Hebiancao [HTML, CSS, Bootstrap, JavaScript]**

- Developed a multiple-page responsive website using bootstrap mainly for showcasing my art works.
- Used JavaScript to implement the scroll to top property and visitors can email or browse through bunch of sketches.

### **Secure Banking System [Java (Spring, JPA), MySQL, AWS, HTML, CSS, jQuery, JavaScript]**

- Developed a web application for secured banking system with different levels of accounts and transactions.
- Used security features like: One-Time Passcode and Public Key Encryption.

### **Yelp Camp [HTML, CSS, Bootstrap, JavaScript, jQuery, Node.js, Passport.js, Semantic UI, Express.js, MongoDB]**

- Developed a full-stack application to view and check their availability in the different campsites.
- RESTful services used to implement the routes in NodeJS for the backend server connection.

### **Auto Repair Database Design [Microsoft Access, MySQL]**

- Designed a conceptual and physical database for Auto Repair System.
- Performed complex queries and database connectivity.

### **A Shoulder Surfing Resistant Graphical Authentication System [Java, SQL, HTML, CSS, Bootstrap JavaScript, JSP, XML]**

- Developed a web application for an authentication system using graphical passwords to avoid camera-based attacks.
- Used One-Time valid login indicator as a security feature.

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## **RESEARCH PAPERS, ACHIEVEMENTS, WORKSHOPS**

- Attended a Summit on Leadership Development (SOLD) as one of the representatives from University of Illinois at Springfield hosted at Washington University St. Louis on Feb 10, 2019.
- Published a paper on “Analysis of IoT in Automotive Industry used in Smart Cities” in “ International Journal of Computer Engineering & Applications (IJCEA)”. URL: <https://goo.gl/JPoZqw>. ID: 111250.
- Participated and presented a paper on “Graphical Password Authentication for Cloud Security” in the International Conference on “Computer Science & Technology Allies in Research ICCSTAR”, 05/2017.
- Participated and exhibited the final year project in “TECH MANIA- 2017” Intercollegiate project exhibition.

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## **LEADERSHIP & EXTRACURRICULAR**

- Member of RHA ( Resident Housing Association at UIS) used to plan events and programs for the student’s body.
- Worked as a Front Desk Attendant at UIS, was responsible for safety and wellbeing of 30+ residents at LRH. Built inclusive and welcoming communities to accommodate different residents’ social and academic needs.
- Member of an American Red Cross at UIS focusing on providing disaster response, assistance to victims of disaster.
- Volunteered as an Educational Volunteer at Sri Nidhi Charitable & Educational Trust for from Jan 2016 – Feb 2017 by conducting sessions on teaching art and also volunteered in serving meals for the kids.