

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

Programming Languages & Databases

Java, Python, C, Unix Shell Scripting, SQL, MySQL, PostgreSQL, MongoDB

Web Technologies

HTML, CSS, XML, SASS, JavaScript, PHP, Node.js, React.js, REST API

Frame Works

Spark, jQuery, Bootstrap, Express.js, Passport.js, Semantic UI, Flask, Android Studio

Cloud Services & Industry Knowledge

AWS, SEO, SDLC, Scrum, GIT, SVN, Adobe Creative Suite

Soft Skills

Time Management, Problem-Solving, Adaptive Learner, Cohesive Team Player

Certifications

The Complete Web Developer in 2020: Zero to Mastery by Udemy

WORK 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.

Software Engineer | SpiderFocus Solutions, Bangalore, KA – India

August 2017 – July 2018

- Worked on designing and developing dynamic web pages using HTML, CSS, DHTML, JavaScript, jQuery, Ajax, XML, Eclipse, SVN and JSP.
- Maintained and updated HTML/CSS template on a regular basis as required.
- Developed page layouts, navigation, animation buttons and icons as well as UI designs using Web 2.0 standards.
- Worked on creating dynamic FLASH applications using JavaScript and Flash animation using Adobe Flash.
- Worked extensively on JavaScript and jQuery programming to give AJAX functionality for the website.
- Provided technical support to other web design team members as directed. Solved issues under pressurized environment.
- Further tasks included: Management of all MySQL database and all the required tables to store different survey information related to the site.

ACADEMIC PROJECTS

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.

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.

LEADERSHIP & EXTRACURRICULAR

- Presently working as a math tutor at WhiteHat Jr (Part-Time).
- 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.