

# Jerry Allan Akshay

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**EDUCATION**      **Graduate (Master of Science, Computer Science)**      (August 2021-May 2023)  
University of Southern California (USC), Los Angeles, California, USA  
**GPA:** 4.0  
**Relevant Coursework:** Analysis of Algorithms, Databases, Web Technology,  
Machine Learning for Data Science

**SKILLS**      **Programming Languages**  
C, C++, C#, Java, JavaScript, TypeScript, HTML, CSS, XML, Python  
**Frameworks and Tools**  
ElectronJS, AngularJS, ReactJS, NodeJS, Flask, .NET, MySQL, Bootstrap, JQuery,  
Jupyter, Firebase, Git, Docker, AWS, REST, Android Studio, MongoDB, FIGMA

**EXPERIENCE**      **Student Worker (Full Stack Developer)**      (September 2021-Present)  
USC Information Sciences Institute, Los Angeles  
Revolutionize experiment testbeds by implementing DEW (Distributed Experiment Workflows) - a novel approach to testbed design, orchestration, and analysis  
  
**Associate Engineer**      (September 2020-July 2021)  
Unisys, India  
Redesigned and coded a new cross-platform installer for a proprietary cybersecurity product STEALTH, replacing old legacy Windows-only installer

**PUBLICATIONS**      **EPM: Meta-learning method for Remote Sensing Image Classification**  
Co-authored a paper on a proprietary improved ensemble remote sensing image classification model leveraging few-shot learning paradigm to improve accuracy scores by around 10% over traditional few-shot learning models  
**Status:** Accepted at MISS-2021 Springer Conference. Pending publication in book series 'Algorithms for Intelligent Systems'

**PROJECTS**      **Associate Skill Dictionary**      (September 2020-February 2021)  
Developed an Employee Improvement Web Application enabling employees to upskill themselves with help of a visual road-map, in capacity of a Team Leader; winning project at the Unisys Fresher's Hackathon  
  
**University Transcript Creator**      (July 2020-September 2020)  
Designed a Windows Application to automatically generate digitally signed Transcripts, supplanting manual entry of data used at Bangalore University  
  
**PC Shop App**      (April 2020-June 2020)  
Collaborated with a Startup and built an Android Application to help residents place orders with local shop owners, boosting income during COVID-19 pandemic  
  
**Universal Interpreter**      (January 2020-February 2020)  
Created a Software for differently-abled to communicate with each other through Morse Codes, Speech, and Hand Gestures (making use of the American Sign Language) on mobile devices; winning entry at the Unisys Cloud 20/20 Hackathon

**ACTIVITIES**      **Leadership**  
• Vice-Chairperson, IEEE UVCE Computer Society      (April 2019-March 2020)  
Planned, organised, and executed bootcamps, workshops, hackathons, and ensured team coordination by conducting and taking charge of weekly meetups  
  
**Awards**  
• Unisys Cloud 20/20 Y11      (December 2019-May 2020)  
**Standing:** Placed First in the Contest