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
Undergraduate (Bachelors, Computer Science) (August 2016-September 2020)
Bangalore University, Bangalore, Karnataka, India

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   (2019-2020)
  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