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

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

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