November 2024

ACHIEVEMENTS

KSU College of Computing & Software Engineering

TALENT & TOP SPOTS

Throughout November, our students and faculty sparked brilliant new ideas, impressed audiences with thoughtful presentations, secured top dollar grants, and enjoyed time learning and laughing together.

We kicked off the month with an entertaining, interactive Ideathon. We polished up for Analytics Day, the APEX Awards, C-Day, the Celebration of Teaching Day, PechaKucha and Symposium of Student Scholars - and we took home a ton of wins at each event. Then we ended the month in a burst of fun as we slime jumped, speed raced and quick attacked at the Game Expo.
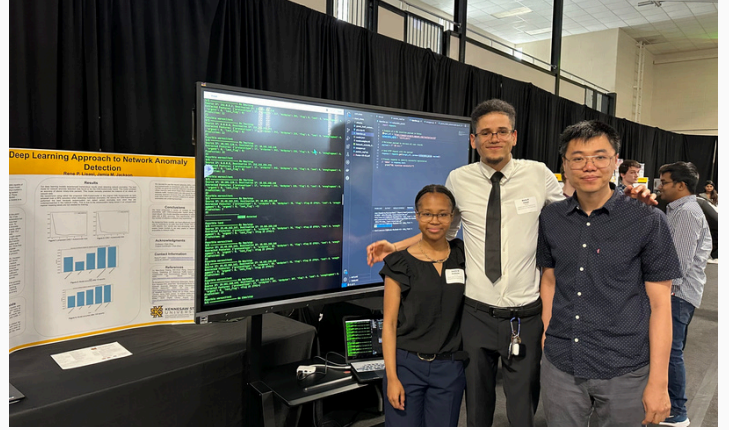
Congrats to all for such a very good month!

NEW GRANTS

Our faculty secured several grants this month. Huge congrats to…
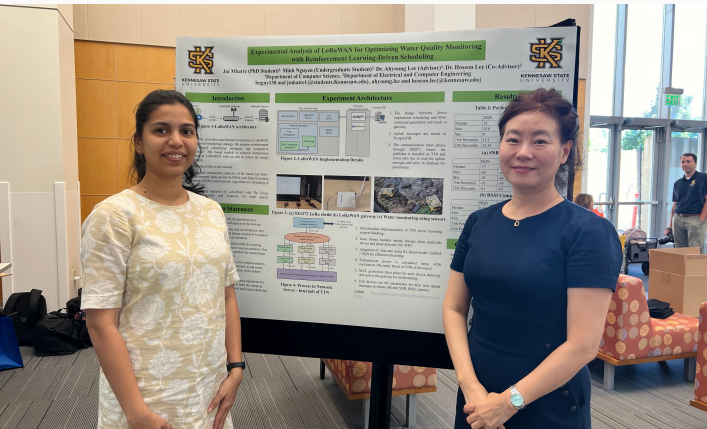

Abhishek Parakh, Mahmut Karakaya, Tu Nguyen & Ramazan Aygun

Advancing High-Speed Networking for STEM Research and Education at KSU
National Science Foundation
$634,440

Chen Zhao

Non-invasive Fractional Flow Reserve Evaluation Using Coronary Computed Tomography Angiography
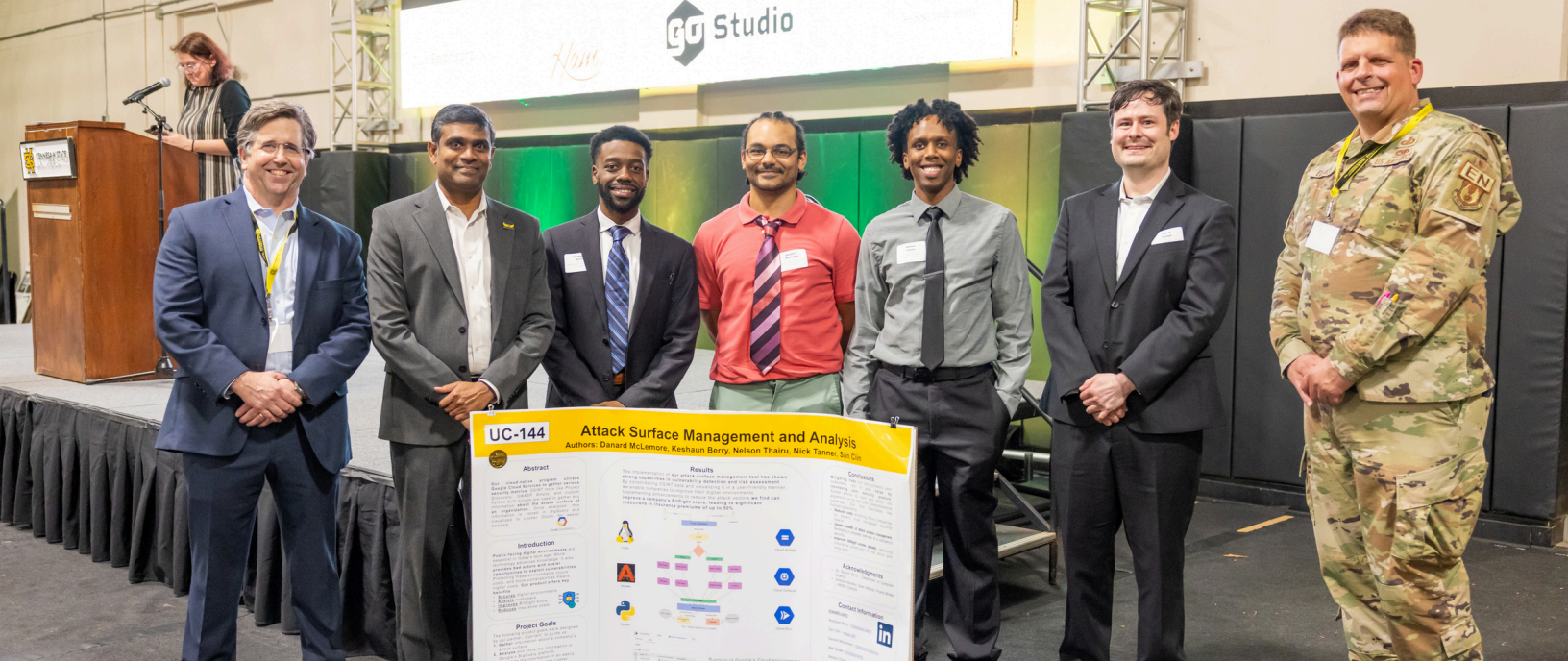2025 American Heart Association Institutional Research Enhancement Award (AIREA)
$194,032

Ahyoung Lee

NSF I-Corps: Translation Potential of Artificial Intelligence-Enabled Bacterial Forecasting System for Water Quality Monitoring
National Science Foundation
$50,000

Shirley Tian, Chole Xie, Nazmus Sakib, Ying Xie & Jack Zheng

Affordable Learning Georgia's
Affordable Materials Grant
$10,000

C-DAY SUCCESSES

Students brought their best for our Fall Computing Showcase. Congrats to our winning teams:

Undergraduate Capstone
UC 144: Attack Surface Management and Analysis
UC 226: Real-Time Bus Monitoring Using Kafka
UC 247: Using Dynamic Difficulty Adjustment (DDA) to improve health and wellness apps and programs

Undergraduate Research
UR 147: An 8-bit Digital Computer Design & Implementation (Team COA-WM1)
UR 172: A Comparative Study of LLM Effectiveness in Mental Health Assistance
UR 213: Generative AI & Cybersecurity

Master's Capstone
GMC 4190: CellNucleiRAG - Smart Search Tool for Cell Nuclei Research
GMC 2162: Prompt Engineering and its Effects On AI and Human Relationships: A Contemporary Approach
GMC 157: Text-to-Digital Person Video Generator: DigitalAvatarGen

Master's Research
GMR 4234: Evaluating Instance Segmentation Models on Histopathology Datasets
GMR 229: Semantic Search using Sentence Transformers
GMR 7175: Enhancing Alzheimer's Diagnosis through Spontaneous Speech Recognition: A Deep Learning Approach with Data Augmentation

Ph.D. Research
GPR 185: A Multimodal Approach to Quiz Generation: Leveraging RAG Models for Educational Assessments
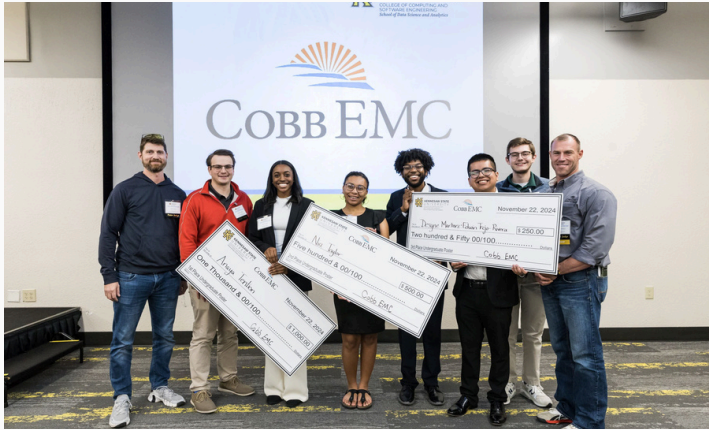GPR 1194: Computer Vision-Enhanced Spectroscopy for Glucose Prediction: An In Vitro Validation Study
GPR 6126: Utilizing ML techniques for a Quantum Augmented HTTP Protocol

Audience Favorite
UC 131: Karah Khronicles

SDSA SHINES OUT

Students from our School of Data Science & Analytics shone out during Fall Analytics Day. Congrats to all the winners:

Undergraduate
Anaya Tention
From Campus to Career: Predicting Earnings through Institutional Traits

Nia Taylor
Individuality Is Too Much Work! How to Make a Good Unoriginal Movie

Desyne Martinez & Edwin Trejo-Rivera
Identifying the Discouraged Workforce: A Dual Model Analysis with Logistic Regression and Random Forest

Master's
Greg Balkcom, Adele Barski, Kristine Duncan & Andy Lewis
Identifying Fraud in Online Surveys: Techniques for Detecting Artificial Intelligence-Generated Responses

Kristine Duncan
Profiles of Polarization: Unveiling Key Traits Related to Online Extremism

Greg Balkcom, Adele Barski & Kristine Duncan
Gotta Catch the Flight! Longitudinal Analysis of Airport Data

Ph.D.
Faruk Muritala & Caitlin Callahan
Maternal Diabetes Condition on Infant: The Role of Birth Weight, Length, and BMI Class by Gestational Age

SYMPOSIUM OF STUDENT SCHOLARS TOP HONORS

Top Presentation: Undergraduate
Anh Duong & John Oakley
Promoting Inclusion in Cybersecurity and Empowering the Next Generation: Lessons from KSU's GenCyber Camp

Research Mentors:
Maria Valero & Mia Plachkinova

Top Presentation: Graduate
El Arbi Belfarsi
An Algorithmic Approach for Optimizing Blood Transactions in Regions with Scarce Donation Rates

Research Mentors:
Maria Valero, Lin Li & Robert Keyser

CELEBRATION OF TEACHING

More than a dozen of our faculty earned kudos during Celebration of Teaching Day. Our huge appreciation to...

Student Success Champions
Lythia Amoakon
Frederic Bien
Susan Mathews Hardy
Betty Kretlow

Governor's Teaching Fellows
Nazmus Sakib

Outstanding Early Career Faculty
Maria Valero

Expanding the Nest Recognitions
Denise Barclay
Susan Hardy
Benjamin Watson

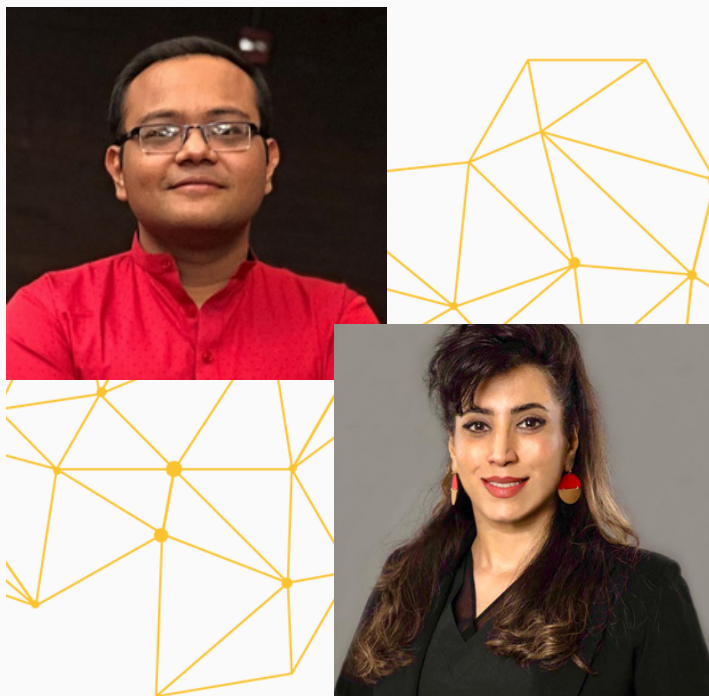**Expanding the Nest Recognitions**
Lythia Amoakon
Marla Bell
Nicole Carder
Linda Galloway
Kevin B. Gittner
Ruvini Jayamaha
Waqas Majeed
Nick Murphy
Obioku Obotette
Donald Privitera
Levanya Sekar
Geetika Vyas
Chenyu Wang
Richard Gesick
Gennadiy Kemelmakher
Karin Kolb

PECHA KUCHA WIN

Bobin Deng, Taeyeong Choi and dedicated mentor Paola Spoletini prepared for PechaKucha 2024 with every once of dedication and energy in them. Kudos to the team for taking home best demonstration for this labor of love.
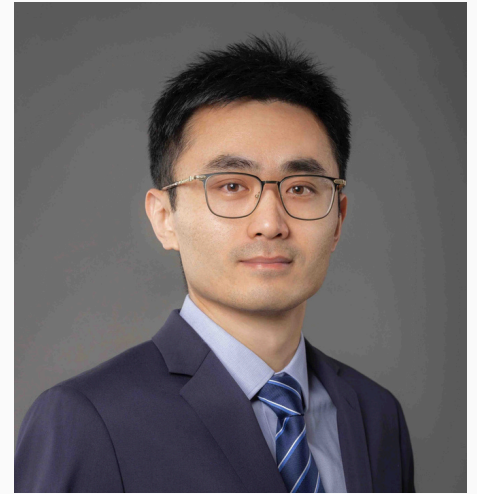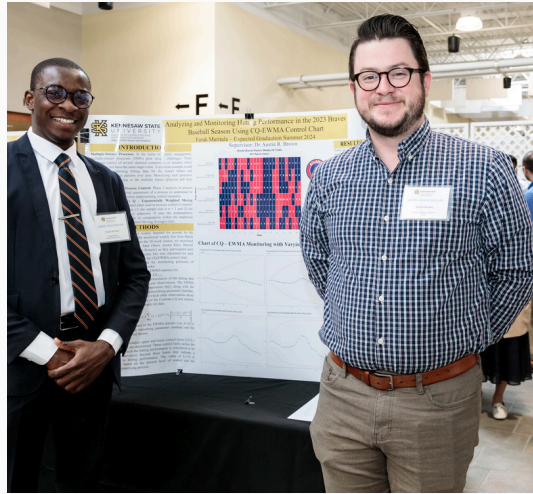
CCSE AWARDS

Congrats to our new CCSE Award winners:

Nazmus Sakib
Outstanding Early Career Faculty

Nasrin Dehbozorgi
Outstanding Research & Creative Activity

APEX AWARDS

Congrats to Xinyue Zhang, Austin Brown & Yan Huang for their outstanding contributions to research, scholarship and creative activities at the university. Very well deserved APEX Awards.

GAME EXPO SPOTLIGHT

Cheers to Chair George Markowsky, Enda Sullivan, Betty Kretlow, Harshitha Nirujogi, Dmitri Nunes Dias Fernandes, Nick Murphy and all our CSE1321 professors for pulling off a fun Game Expo.

And! Kudos to game designers Parker Davison, Sahir Samnani, Rori Liddell & Elias Mohamadi for taking home the win with their take on Black Jack.

SHARE YOUR SUCCESS

We want to hear about your wins. Reach out to Noralil Fores at noralil.fores@kennesaw.edu to share your stories.