

TUSHAR MISHRA

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EDUCATION

University of Georgia, Athens, GA

Bachelor of Science, Computer Science, Projected May 2025

Relevant Coursework: Intro to Computing, Software Development, Discrete Math, Systems Programming, Data Structures, Intro to Robotics, Intro to Theory of Computing, Software Engineering, Undergraduate Research I

SKILLS

Programming/Scripting Languages: Java, C, Python, C++, HTML, CSS, JavaScript, Flutter, Figma, Kotlin

Frameworks and tools: Bootstrap, React, Node, Angular, Express, Django, Github, APIs, SQL, Microsoft Azure

Libraries: NumPy, Pandas, Matplotlib, Selenium, jQuery, Rospy

Certifications: HDI Desktop Advanced Support Technician

EXPERIENCE

Undergraduate Research Assistant

LSDIS Lab, University of Georgia, Athens, GA, May 2023 - Present

- Working towards making a Predictive Model, using Transformers and Basic and Graph Neural Networks.
- Using Knowledge Graphs and Semantic Networks to get a deeper understanding of Predictive Models.
- Enhancing the fact-checking capability of ChatGPT by integrating a knowledge graph framework.

Information Technology Support Assistant

CAES, University of Georgia, Athens, GA, January, 2023 - Present

- Provided technical support for UGA CAES faculty, staff, and students.
- Facilitate communication between Help Desk personnel and higher tier consultants on complex technical issues, reducing help desk tickets by 25%.

Information Technology Environment Assistant

Georgia State University, Atlanta, GA, September 2022 - December, 2022

- Support for hardware or software installation, configuration, and troubleshooting for the University classes.
- Assembling, Reimaging, Troubleshooting of Computers, printers and Handling, Cleaning and Operating of Media Equipment.
- Direct technology support for students, staff, and professors by resolving almost 40% of all the IT Help desk tickets.

LEADERSHIP

New Student Orientation Leader

Georgia State University, Atlanta, GA, May, 2022 - August, 2022

- Demonstrating efficient teamwork and leadership skills by leading and advising 600+ students over Summer.
- Coordinated with different University departments and their directors to ensure smooth and balanced transition for freshman and transfer students to the University.
- Assisted in planning and executing year-round orientation and academic advising programs for freshman and non-traditional students. Implemented problem-solving skills in a fast-paced and exciting environment.

PROJECTS

Simulate Invest – (Spring 2023)

- A tool to help individual investors or organizations understand and manage the impact of market volatility.
- Used python and its libraries, pandas and numpy to collect data.
- Fetched this data and articles from Yahoo's finance API to process and return relevant information.
- Used Natural Language Processing to classify articles as good or bad by implementing Semantical Analysis and Cosign similarity and used Monte Carlo Simulation to produce stats and predicted graphs for future references.

Portfolio Website – (Spring 2023)

- Created a portfolio website using Bootstrap, Tailwind CSS, Node.js, React.js. Used EmailJS for contact form and SwipeJS for swiping activity.

Weather Today – (Fall 2022)

- A Weather app with a simple GUI, made on Kotlin on Android Studio, by implementing Retrofit library to HTTP API into Kotlin interface. Used JSON Application Package Interface to display weather details in the app. Stored the data via SharedPreferences and preloaded it. Used GSON library to parse JSON into HashMap using TypeToken.

Instagram Bot – (Summer 2023)

- An Instagram that follows random users of the same interest. Made using Selenium and python.