Keshav Shah

keshav@rice.edu | https://github.com/Keshav-Shah | (281) 644-9320 | Houston, TX

EDUCATION

Rice University *Houston, TX*
B.S. Computer Science, Minor in Statistics Expected Graduation: May 2025
GPA: 3.92/4.00
Relevant Coursework: Computational Thinking, Algorithmic Analysis and Discrete Mathematics, Object Oriented Programming, Computer Engineering, Operations Research and Optimization, Linear Algebra, Multivariable Calculus
Honors/Awards: Recognition by Times of India for Workshop on Supervised ML, HCC Inventathon Grand Prize Winner

TECHNICAL SKILLS & INTERESTS

Languages: Python, Java, React, React Native, Node.js, Next.js, GraphQL, Javascript, C++, HTML, CSS, SQL
Skills: RESTful API, Flask, Cloudinary, CMS, AWS, Git, Docker, MongoDB, Linux, Supervised ML, MERN
Interests: Competitive Eating, Fantasy Football, Gaming, In-N-Out Burger, PC Building, Tennis, Watches, World Records

PROFESSIONAL EXPERIENCE

RiceApps - *Full Stack Developer; Houston, TX* June 2023 - Present
● Developed Twilio API based SMS capabilities with Next.js for 100K+ Houston Ballet Market attendees to receive updates
● Built an interactive map for customers using MappedIn API and a vendor landing page for Nutcracker Market
● Adapted UI elements from Figma designs into stateful, responsive widgets and screens to allow for easy user navigation
● Implemented Cloudinary image management platform in a React-based application to enable users to upload profile pictures

University of Houston | HULA Lab - *Software and Machine Learning Intern; Houston, TX* May 2023 - Sept 2023
● Utilized GPT 3.5 LLM to develop a mental health application based on the CBT framework leveraging distributed computing
● Created Rest API web service endpoints connected to SQLite and leveraged Docker containerization for efficient deployment
● Analyzed DICOM chest x-ray data to aid MD Anderson radiologists for accurate diagnostics and improved patient outcomes
● Employed vision transformers and attention rollout techniques to provide explainability analysis on the DICOM x-ray dataset
● Co-authored *Anomaly Detection in Satellite Videos using Diffusion Models* to revolutionize real-time disaster management

JP Morgan Chase and Co - *Software Engineer Intern; Houston, TX* June 2022 - August 2022
● Trained in the fundamentals of NoSQL database software (Cassandra) to analyze 50,000+ bank transaction records
● Conducted 25+ meetings using the agile iterative approach, resulting in successful implementation of 2 data-driven processes
● Created 3 architectural diagrams highlighting flow of data within database processes for 10+ JPMC product architects
● Presented findings to 15+ JPMC project managers, effectively communicating results with a 98% performance rating

Uber Career Prep Program - *Fellow; San Francisco, CA* Jan 2023 - August 2023
● Selected among 4% of candidates for the 2023 Uber Career Prep Program
● Mentored 1x1 by Uber Software Engineer on data structures and algorithms, soft skills, and technical interview performance
● Engaging in mock technical interviews on a bi-monthly basis in order to strengthen algorithmic thinking capabilities

Rice Data Science - *Data Education and Exploration Program Participant; Houston, TX* August 2022 - Dec 2022
● Examined 467,000+ data points from NBA dataset to analyze correlations between salaries and player performance metrics
● Applied Python data manipulation libraries including NumPy, Pandas, Scikit-learn, and Matplotlib towards data analysis
● Employed pre-processing methods to create Random Forest and KNN models achieving a final prediction accuracy of 95%

LEADERSHIP & INVOLVEMENT

Rice Computer Science Club - *Events Chair; Houston, TX* August 2022 – Present
● Organized networking and social events for over 1500 undergraduate students in the Rice Computer Science Community
● Communicated with administrators to facilitate club merchandise sales to over 150+ undergraduate Computer Science students

Doerr Institute for New Leaders at Rice University - *Participant; Houston, TX* August 2022 – Dec 2022
● Received professional leadership training from ICF certified coach to identify areas for personal growth as a leader
● Implemented constructive feedback to improve balancing of personal social frameworks and leadership mannerisms
● Incorporated self-reflection and behavioral practices into daily routines to strengthen emotional intelligence domains