

Keshav Shah

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EDUCATION

Rice University

B.S. Computer Science, Minor in Statistics

Houston, TX

Expected Graduation: May 2025

GPA: 3.91/4.00

Relevant Courses: Object Oriented Programming, Discrete Mathematics, Algorithms, Database Systems, Software Design, Systems Programming, Operations Research, Optimization, Multivariable Calculus, Linear Algebra, Statistics

Honors/Awards: Co-authored *Anomaly Detection in Satellite Videos Using Diffusion Models*, Co-authored *A Guide to Machine Learning, Deep Learning, and their Applications*

Hackathons: HackRice 12, HackRice 13

PROFESSIONAL EXPERIENCE

RiceApps - Full Stack Developer; Houston, TX

June 2023 - Present

- Developed SMS capabilities, interactive map, and vendor directory for 100K+ Houston Ballet Market attendees.
- Utilized Next.js to create landing page for attendees to submit contact information, Twilio API to send text notifications, and MappedIn SDK to create deep-linked map of all vendors to reduce time for attendees to locate vendors by 75%.
- Achieved 20% increased customer satisfaction ratings and positive feedback from Houston Ballet supervisors.

University of Houston | HULA Lab - Software and Machine Learning Intern; Houston, TX

May 2023 - Sept 2023

- Created a mental health chatbot assistant based on the Cognitive Behavioral Therapy framework for patients with anxiety.
- Leveraged GPT 3.5 LLM and distributed computing to fine-tune model, React-based UI widgets for easy user navigation, and Rest API endpoints connected to SQLite database and Docker containerization for efficient deployment.
- Spearheaded a comprehensive test phase of mental health assistant through 5 case studies to analyze model performance.

JP Morgan Chase and Co - Software Engineer Intern; Houston, TX

June 2022 - Aug 2022

- Extracted key metrics from a NoSQL database (Cassandra) to analyze and gain insights into bank transaction data.
- Used Cassandra CQL to derive cluster size, partitioning data, and projected growth rates, UI components built with React to seamlessly interact with cluster data, and the agile iterative approach to conduct team meetings effectively.
- Presented UI to 15+ JPMC project managers and communicated cluster data metrics with a 98% performance rating.

LEADERSHIP & INVOLVEMENT

Rice Computer Science Club - Events Chair; Houston, TX

Aug 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 150+ Rice Computer Science students.

Uber Career Prep Program - Fellow; San Francisco, CA

Jan 2023 - Aug 2023

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

SKILLS

Languages: Python, Java, JavaScript, HTML, CSS, SQL, C, C++

Frameworks and Tools: React, Node.js, Next.js, Flask, Tailwind, GraphQL, RESTful API, Cloudinary, Git, Docker

Database and Backend: MongoDB, MERN, Spark, Hadoop, Linux