

Krish Shah

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EDUCATION

University of Connecticut

B.S.E. in Computer Science and Engineering

Concentration in Computational Data Analytics, Minor in Mathematics

GPA: 4.00/4.00; University Honors Laureate, Babbidge Scholar

Activities: Plant Futures, UConn (Treasurer), Muay Thai Kickboxing Club, Chess Club

Coursework: Big Data Analytics (M.S.), Machine Learning, Algorithms, Data Structures and Object-Oriented Design, Cybersecurity Lab, Systems Programming, Statistical Methods, Computer Architecture, Discrete Mathematics

Storrs, CT

May 2026

EXPERIENCE

Berkley Small Business Solutions

West Hartford, CT

Remote Software Engineer Intern

September 2024 - Present

- Leading the development of a web-based application using Angular and TypeScript, enabling insurance underwriters to edit and manage extremely nested JSON policy administration configuration files
- Building a REST API with C# to securely and efficiently manage configuration files stored in a MS SQL Server
- Leveraging Git, Bitbucket, and Jira for version control, code reviews, and Agile task tracking

Software Engineer Intern

June 2024 - August 2024

- Developed a Python application with object-oriented programming principles to automate state-level customization of Berkley's policy admin system, reducing manual state-level configuration time by 80%

Hillside Ventures

Storrs, CT

Venture Capital Analyst

March 2024 - Present

- Sourcing SaaS (cloud computing and AI) Pre-Seed to Series A startups for UConn's student-run \$1mm VC fund
- Conducting technical and financial due diligence to assess product design and market potential, mitigating risk

El Gato Laboratory

Storrs, CT

Artificial Intelligence Research Assistant

April 2023 - June 2024

- Developed and tested machine learning models to predict motion-to-strike outcomes in tort and vehicular cases, utilizing algorithms such as XGBoost, AdaBoost, and Sparse Gaussian Process Classifiers
- Increased prediction accuracy by 10% through data preprocessing, feature engineering, and model validation

UConn Information Technology Services

Storrs, CT

Technical Support Specialist

January 2024 - May 2024

- Developed and communicated technical solutions to non-technical users, improving customer satisfaction

PROJECTS

MMAI | mmai.infoql.com | *Python, TensorFlow, Keras, Scikit-learn, Optuna, Flask, JavaScript, HTML/CSS*

- Developed a full-stack machine learning web application to predict mixed martial arts fight outcomes
- Achieved a 69.4% accuracy rate using TensorFlow for deep learning and Optuna for hyperparameter optimization

Multithreaded Distance Vector Routing Protocol | *C, POSIX Threads, Networks*

- Engineered a multithreaded DVR protocol with Bellman-Ford, optimizing real-time network path updates

Basketball Database | *SQL, PostgreSQL, Python, Psycopg2*

- Designed and deployed a PostgreSQL database schema for Oklahoma City Thunder statistics
- Utilized Python scripts with Psycopg2 to normalize and load datasets from JSON files

Personal Portfolio Website | krishah.infoql.com | *React.js, JavaScript, HTML/CSS*

SKILLS

Computer Languages: Python, C, C++, C#, Visual Basic, JavaScript/TypeScript, HTML/CSS, Java, SQL, Assembly

Libraries & Frameworks: React.js, Node.js, Angular, .Net, TensorFlow, Keras, Scikit-learn, Optuna, Pandas, Flask

Tools: Git/GitHub/Bitbucket, AWS, Jira, Visual Studio, Linux, Microsoft Excel and Word, Google Sheets and Docs