

Sameer Kulkarni

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EDUCATION

University of Wisconsin–Madison

Madison, WI

Bachelor of Science in Computer Science and Data Science

Sept 2023 – May 2027

- Relevant Coursework: Discrete Mathematics, Object-Oriented Programming, Data Structures and Algorithms, Computer Architecture, Neural Networks, Machine Organization

EXPERIENCE

Data Science for Sustainable Development (DSSD)

Madison, WI

Project Developer

Oct 2025 – Present

- Selected to join DSSD, a student organization that creates software projects that help towards the UN's sustainable development goals, for Fall 2025.

CERTIFICATIONS

AWS [Certified Cloud Practitioner](#) (Aug 2025)

LinkedIn Learning [What is Generative AI?](#) (Jan 2024)

PROJECTS

Text-to-Speech API | *AWS Lambda, S3, Polly, DynamoDB, SNS*

Sep 2025 - Present

- Developed a serverless API using API Gateway, Lambda, and SNS to convert text into audio with Amazon Polly.
- Implemented storage and ID-based retrieval of audio files via DynamoDB and S3, accessible through GET/POST requests.
- Planning to integrate sentiment analysis to provide contextual insights alongside audio output.

Serverless Password Manager | *React, AWS Lambda, Amazon S3*

Aug 2025 - Present

- Built a secure password manager using AWS serverless architecture with Lambda functions for backend logic.
- Implemented encrypted password storage in S3 with automatic append functionality for multiple credentials.
- Created responsive React frontend with modern UI for password management and retrieval.

Cube Timer | *React, Firebase*

Jan 2025 - Present

- Developed a Cube Timer web application using React for frontend and Firebase for backend.
- Implemented features such as timing, session tracking, and user data storage.
- Utilized Firebase Authentication and Firestore DB to manage user login and data syncing.

Stock Price Prediction Model | *Python, LSTM, TensorFlow, Matplotlib*

June 2024 - Aug 2024

- Collaborated in a team of two to develop a stock price prediction model using Long Short-Term Memory (LSTM) neural networks.
- Preprocessed two stocks (high performing, low performing) from Yahoo Finance and implemented time series forecasting using TensorFlow and Keras.
- Visualized prediction results using Matplotlib, and evaluated model performance using metrics such as RMSE.

Password Generator | *JavaScript, HTML, CSS, GitHub Pages*

June 2019

- Created a JavaScript password generator with sleek UI to learn core JS concepts.
- Hosted via GitHub Pages.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, HTML/CSS, GDScript, R

AI/ML: TensorFlow, Pandas, NumPy

Frameworks & Technologies: React, Firebase, NoSQL (Firestore, MongoDB), Cursor

Tools: Git, Google Colab, Kaggle