Devanshu Saxena

Education

College of William and Mary – BS in Computer Science, and Applied Mathematics

September 2021 – May 2025

Herndon High School – Advanced Studies Diploma

September 2017 – June 2021

Experience

Project Manager/Developer

geoLab@WM

January 2022 – Present

- I manage the AI team, Backend team, and Frontend team of the SCOPE project as part of the geoLab to help researchers find the most relevant sources using tools such as the GDELT API and the Twitter API provided the user enters keywords, date ranges, and other filters.
- I work mainly on the Backend maintaining querying algorithms that interact directly with our server and MySQL database
- Work mainly with ReactJS, Django, Heroku, and MySQL.

Data Science Intern

Emojent

May 2022 – August 2022

- Worked in a research-based role on finding computer vision solutions concerning facial emotion detection.
- Gained experience with large scale visual and multi-modal datasets, cleaned data, performed preliminary analysis on the data to explore possible solutions, and experimented with multiple models
- Created a final model detecting emotions based on visual and audio data which is currently implemented in the Emojent production environment
- Experience with TensorFlow and Keras libraries for neural network modelling, OpenCV, and pandas/NumPy for data pre-processing.

Personal Projects

Kyckstart

https://github.com/devsaxena974/Kyckstart, Link to server-side code: https://github.com/devsaxena974/kyckstart-server

- This is a web app I developed using a PERN stack where businesses can interact through membership perks with users. This app involved many forms, user authentication and different privileges for users, and storing images using Firebase cloud storage.

SchoolTrack

https://github.com/devsaxena974/SchoolTrack

- Schooltrack is a web app I developed using Django and an SQLite database. It keeps track of a user's test, assignments, and homework for multiple classes.

Relevant College Courses

CSCI 301 Software Development, CSCI 243 Discrete Structures, CSCI 241 Data Structures, DATA 146 Intro to Data Science, MATH 302 Ordinary Differential Equations, MATH 323 Operations Research Deterministic Models

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