Dakshesh Gupta

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Education

Purdue University, West Lafayette, IN   August 2021 – Present
- Bachelor of Science in Computer Science   GPA: 3.34 / 4
- Relevant Course Work: Introduction to object-oriented programming, Discrete Math, C Programming, Data Structures & Algorithms, Systems Architecture, Web Applications Programming

Class 12, Bright Riders School, Abu Dhabi, UAE   February 2021 – July 2021
- CBSE Curriculum, Final Exam Score: 91.3%
- Subjects: Physics, Chemistry, Math, Computer Science, English

Relevant Experience

Backend Web Development, Halderman Real Estate and Farm Management   August 2021 – February 2022
The Data Mine, Purdue University, West Lafayette, IN
- Developed web application to collect farm data and measure sustainability of farms
- Led a team of 3 members, to build backend with NodeJS, ExpressJS and mySQL
- Implemented User Authentication, CRUD operations, Data persistence from scratch
- Utilized third party APIs such as Google Maps API

Web Dev Team Lead, TEDxYouth@BrightRidersSchool   March 2020 – September 2021
- Led a team of 5 members to design and develop a website to advertise a TEDx speaking event
- Attracted over 8000 visitors to the website and increased event exposure
- Utilized HTML and CSS along with JS and Gmail API to create a single-page website
- Responsible for advertising, managing social media, creating visuals in Photoshop

Projects

Pomoductive, Productivity Web App
- Developed a web app using ReactJS, NodeJS, ExpressJS and Firebase that helps boost productivity and increase focus
- Consists of a natively built pomodoro timer with customizable timings, and a dynamic to-do list
- Shows statistics such as time worked, productivity leaderboards and persists to-do list data between sessions

TV Show Catalogue Web-App
- Created a web app where users can catalogue, organize and rate TV-shows
- Utilized RESTful API to fetch data and perform database operations
- Implemented Python (Flask, JikanPy), HTML, CSS (tailwindcss)

A-Star Pathfinding Algorithm Visualizer
- Researched various pathfinding algorithms such as A-star algorithm, Dijkstra's algorithm
- Developed A-start pathfinding algorithm in Python, visualized it using Tkinter and pygame libraries
- Program finds shortest path between two points on a grid, taking obstacles and barriers into account

Activities

Computer Science Student Mentor, Purdue University   August 2022 – Present
- Mentoring 10 freshman computer science students on navigating academics, courses, job search

Technical Skills

Languages
- Python
- JavaScript
- Java
- C
- R

Web Frameworks
- ReactJS
- NodeJS/ExpressJS
- Flask
- HTMl/CSS
- MySQL & Firebase