VAISHNAV SHARMA

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SKILLS

- **Languages** - Javascript, Python
- **Frameworks** - React, Three Js, Django
- **Fundamentals** - Data Structures, and Algorithms, Linux Command line Basics
- **3D Fundamentals** - Texture baking, UV Mapping, Modelling, and Blender

EXPERIENCE

Software Engineering Associate Trainee at _Hashedin By Deloitte_

- Building Frontend projects with *React*, connecting it to a REST backend, and all the *routing*, to build a modular *Single Page Application*.
- Backend *REST* API creation with *Django Rest Framework.* User Authentication.
- August 2022- Present

PROJECTS

Interactive 3D web environment (ThreeJs)

3D WebApp, users can look around and interact in a 3D environment on a browser.

- PSLV model - Hosted Link - Source
- Low Poly Scene - Hosted Link -Source

Twitter Like Social Media Platform (Django)

- User Authentication and users can create Textual+Image posts.
- Source

Making Text Recognition Model for E-Yantra Contest (Python, Opencv)

- Image processing with OpenCV and text recognition model trained from MNIST dataset
- Team Leader

Search Engine From Scratch (Django, Beautiful Soup)

- Implementing web crawler and page rank algorithm for sites
- Team Leader
- Source

Movie API (Django-REST Framework)

- Creating REST API to perform CRUD operations on movie data.
- Source

Python Maze Generator and Solver

- Generate Mazes using recursive backtracking, and solve using Graph Traversal Algorithms
- Implementing DFS, BFS, Dijkstra, A*, and Greedy Best First Search.
- Source

COLLEGE

BTech CSE, UIT Shimla, GPA - 7.4

College Technical Team Member