UTTEJ KURUMA

ACADEMIC DETAILS

B.E. (Hons.) Civil Engineering	BITS Pilani - Hyderabad Campus	**6.75 CGPA**	2023
Andhra Pradesh Board of Intermediate Education (BIEAP) (CLASS XII)	SRI CHAITANYA JUNIOR COLLEGE	**9.36 GRADE**	2019
Andhra Pradesh Board of Secondary Education (BSEAP) (CLASS X)	JCR's CHAITANYA E M SCHOOL	**9.5 GRADE**	2017

SUBJECTS

Electives	Application of AI in Civil Engineering , OPER Research for Engineering , Surveying , Cinematic Art , Disaster And Development , Geosynthetics and Reinforced Soil Structures , Design of Pre Stressed Concrete Structures , Analysis of Structures , Civil Egineering materials , Engineering Hydrology , Highway engineering , Fluid mechanics , construction planning and technology , Water and Waste Water Treatment , Soil mechanics , Structural Analysis
Technical Proficiency	C Programming , C++, Python , HTML + CSS , JavaScript , Tensorflow , OpenCV , Blender , Houdini , Revit Architecture , 3DSMAX , Unreal Engine , Unreal Engine 4 , Game Design and Development , Photoshop , Illustrator , DaVinci Resolve , After Effects , Premiere Pro , StaadPRO , AutoCAD , Twinmotion

WORK EXPERIENCE

Larsen and Toubro Infotech Learning and Development in the Metaverse	This project is about building a **VR space** where people can have calls , classes , hangout , have fun , and be together even when they physically aren't (meaning Virtually). We used **Blender** to make the 3D assets and built the world using **Unreal Engine 5**. We are still working on the multiuser aspect of the project	Jul 2022 - Dec 2022
Government of Telangana Project related to Civil Engineering	This was a project **similar to a case study**. We were provided with local traffic data , and were asked to study them and understand the general trends . The quality of the roads based on the trends was later analyzed . Estimating the time periods between the repairs to the roads were also introduced .	May 2021 - Jul 2021

PROJECTS

Estimation of Future Rainfall in Climate Change Scenarios	A Course Project (Engineering Hydrology) on estimating Future Rainfall using machine learning models . We were tasked with gathering the data for the last 100 years and run tests on it to predict the future rainfall .	Jan 2022 - May 2022
Application Of AI In Building Information Modelling	A research article on how AI could be used in Building Information Modelling . We reviewed a few articles resembling the stable diffusion AI models these days .	Aug 2021 - Dec 2021
Fuzzy Multiobjective Optimization Of Water Distribution Networks	A research project for the course Oper Research for Engineering regarding the use of fuzzy multiobjective optimization techniques for water distribution networks	Aug 2021 - Dec 2021

EXTRA -CURRICULAR ACTIVITIES

3D modelling	I use Blender to make 3D artworks whenever I find time , or get stuck with something . I also am learning Houdini , which is known to be the hardest 3D modelling tool because of its procedural nature
Learning New Software	I have a hobby to learn any new 3D or design software that shows up in the world . Helps me feel confident and up to date with the world
Photomontages	I use Photoshop to create Photo manipulations , montages and composites when necessary , or as a hobby

LANGUAGES

English , kannada , Telugu, hindi

BASIC INFORMATION

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