Manish Kumar

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Student developer with a strong background in Data Structure and algorithms - C++. Experienced in developing collaborative projects, problem-solving and teamwork abilities.

TECHNICAL SKILLS

Skills : **C++** , **Python** ,Git , FastAPI, , Data Structures and Algorithms , **SQL** - Beginner , HTML , CSS.

EXPERIENCE

Game Developer Intern   July 2024 – Aug 2024
IDZ Digital   *Remote*
  • Worked on creating different Mechanics for game ideas using Unreal Engine 5. Developed Basic Prototypes for Mobile / PC Games using Blueprint Scripting in Unreal Engine 5.3 .

  • Collaborated with colleagues to brainstorm and develop prototypes for game ideas .

PROJECTS

Hand Tracking for Gesture-Based Controls   Nov 2024 – Nov 2024
Python Project   *Python, OpenCV, Mediapipe, Pyautogui, pynput*
  • Developed a gesture-based control system utilizing hand tracking technology for mouse control, system navigation, screenshot capture, and more.

  • Applied image processing techniques with Python libraries to enhance functionality.

Posture Detection   March 2024 – May 2024
Python Project   *Python, OpenCV, Mediapipe*
  Implemented posture detection in python which helps in tracking human body and check for posture deformities using python libraries Opencv , Mediapipe.

Endless Runner Game   June 2024 – June 2024
Game Development Project   *Unreal Engine 5, Blueprint Scripting*
  Created an endless runner by Utilizing Unreal Engine 5 and Blueprint Scripting for game development and mechanics implementation.

Training and Placement Website   May 2023 - Nov 2023
Web Development Project   *HTML, CSS*
  Developed Training & Placement Website with interactive User Interface which shows the placement data Statically and graphically in collaboration with two colleagues.

ACHIEVEMENTS

Winner - Hack4Health : Transforming the Future of Health Apps   2024
  Created a Health and Fitness App which contains Calorie Burn and Intake , Posture Detection , ChatBot , Step Traking ,Excercise Tracking and Diet Generation .

Winner - Developer Mind - College Level Coding Competition   2023
  Secured first position in a competition by developing placement website during TAKNEEK Event, held as part of AAWAHAN'23 at UIET, Kurukshetra University.

EDUCATION

University Institute of Engineering and Technology, KUK   Kurukshetra, Haryana, India
Bachelor in Technology - Computer Science Engineering   *Nov 2021 – July 2025*

New Happy Public School   Yamuna Nagar, Haryana, India
Class XII - Non Medical (Phyiscs, Chemistry, Math)   *March 2020 – March 2021*