Gyan Vardhan

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EDUCATION

VIT Bhopal University, Bhopal	2022 – 2026
B.Tech in Computer Science & Engineering	*9.04 CGPA*
Dhruva Public School, New Delhi	2019 – 2021
Intermediate (XII)	*86.4 %*
Birla Vidya Mandir, Nainital	2014 – 2019
High School (X)	*97.2 %*

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++, C#, SQL, JavaScript
Services and Frameworks: Flutter, Firebase, MongoDB, REST API

PROJECTS

ShapeVisualizer | *Unity ARcore Kit, C#*   Source Code
- Created an AR app in Unity to provide basic knowledge about geometric shapes by interacting with 3D models.
- Used AR Foundation for real-time plane detection and shape placement.

FYD : Find Your Deal | *Flutter, Firebase*   Source Code
- Led a team of 4 in development of a functional e-commerce application.
- Used Flutter framework to make it cross device supportable.
- Developed and maintained backend infrastructure using Firebase for CRUD operations and user authentication.

OrbitChat - Interactive Space Learning App | *Flutter, Firebase, NASA APIs, Gemini API*   Source Code
- Developed **OrbitChat**, an interactive chatbot for kids to learn about space in a fun and engaging way.
- Integrated NASA and Spaceflight News APIs for features like Photo of the Day, Mars Temperature, and Planet Information.
- Utilized Firebase Firestore for secure data storage and designed a responsive UI in Flutter.

Asteroid Impact Threat Analysis | *Python, Pandas, Matplotlib*
- Analysed and classified asteroids as hazardous or non-hazardous based on key metrics and patterns.
- Presented findings at NSSC 2024 at IIT Kharagpur.

Neuromorphic Computing: An In-Depth Exploration | *Research Paper*
- Authored and presented a research paper on **Neuromorphic Computing** at VIVIBHA National Conference, 2024
- Explored its architecture, applications in AI, and its potential for revolutionizing computing paradigms.

CERTIFICATION

Unity and C# Basics
Meta AR Developer Professional Certificate
- Achieved a grade of 95.87%. A course on the use of Unity for the purpose of game making.

Flutter & Dart - The Complete Guide
Meta AR Developer Professional Certificate
- Achieved a grade of 95.87%. A course on the use of Flutter for mobile app development.

Machine Learning with Python
IBM Professional Certificate
- Completed a comprehensive course on machine learning using Python, including algorithms, data processing, and model evaluation.

ACHIEVEMENTS

- Was shortlisted and presented my project in VIT Bhopal Industrial Conclave 2024, held on 3rd August 2024.
- Presented **OrbitChat** and advanced to the second round at the NASA Space Apps Hackathon 2024.
- Participated and presented findings on asteroid impact threats at NSSC 2024 held at IIT Kharagpur.
- Authored and presented a research paper on **Neuromorphic Computing** at VIVIBHA National Conference 2024.

EXPERIENCE

- Core Team Member in Android Development Team of GDSC VIT BHOPAL, from December 2023
- Contributor in GirlScript Summer of Code(GSSOC) 2024