Abhik Goswami

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Education

VIT Bhopal University, Bhopal, BTech in Computer Science and Engineering   Sept 2022 – ongoing
- CGPA: 7.60/10

Ramakrishna Mission Vidyalaya, Viveknagar, Tripura , 12th standard   June 2022
- Percentage: 84%

Ramakrishna Mission Vidyalaya, Viveknagar, Tripura , 10th standard   July 2020
- Percentage: 84%

Projects

Community Resource Locator application   Nov 2024- Present
- Description: An Android application which will give locations and informations of all essential resources (such as health camps, food shelters, ambulances in an area, Fire Service, Job fairs etc)
- Technology: Java, XML, Android Studio, Firebase, Figma
- Role: Developer of back-end logic and designing the database

A Novel approach for optimal robotic path planning   Feb 2024- May 2024
- Description: Working on optimizing and adding new features in existing robotic path planning models running on Particle Swarm Optimization algorithm(PSO).
- Technology: Python, ML frameworks
- Team Project: 5 members
- Role: Implemented an advanced PSO algorithm that effectively navigates 50+ randomly scattered obstacles, optimizing the robot's pathfinding capabilities, resulting in a 40% increase in navigation efficiency during testing phases.

VIT-Bhopal Querry resolution system   Aug 2023-Nov 2023
- Description: A one stop chatbot system to resolve and answer different kind of day to day queries of all the stakeholders related to or seeking admission into VIT Bhopal University.
- Technology: Python, CSS, SQL, Streamlit Framework
- Team Project: 5 members
- Role: Backend developer(Logic Programming)
- https://vitb-queries.streamlit.app/

Recipe Finder   Mar 2023
- Description: A website that uses EDAMAM API to give recipes
- Technology: HTML/CSS, JavaScript, API
- Team Project: Solo
- Role: Frontend Developer
- https://findyourrecipe-red.vercel.app/

CO-CURRICULARS

- HackerRank 5 Star in Problem Solving.
- HackerRank 5 Star in C++

Achievements and Awards

- Reliance Foundation UG Scholarship-2023 holder, Scholarship amount of INR 2 Lakhs.

Additional Information

Technical Skills:
- C++, Java, Python
- HTML, CSS, Javascript
- Kotlin, XML
- MySQL, SQL
- MS Powerpoint, MS Excel

Languages: English, Hindi, Bengali

Certifications:
- Cyber Security Analyst, IBM
- Cloud Computing, NPTEL
- MySQL Basic, Great Learning
- Data Structures & algorithm in C++, Udemy
- The Bits & Bytes of Computer Networking, Coursera
- Problem Solving(Intermediate), HackerRank
- Problem Solving(Basic), HackerRank