Moulya Vishwanath

+91 8296036308 | moulya.vish@gmail.com | in moulya-vish| ⍟ Moulya121 | Portfolio | Bangalore, India

CAREER OBJECTIVE

Passionate about blockchain and AI, eager to develop secure, innovative solutions and drive real-world impact through smart contracts and full-stack development.

EDUCATION

- **SJB Institute of Technology**   *[2022-2026]*
  Under the affiliation of Visvesvaraya Technological University (VTU)   **CGPA - 8.71 /10**
  BE/BTech in Computer Science & Engineering
- **Sadhana PU College**   *2022*
  Karnataka Secondary Education Examination Board, Karnataka   **Percentage: 84**
- **Sri Jnanakshi Vidyaniketan**   *2020*
  CBSE Board , Karnataka   **Percentage: 80**

PROJECTS

RegenX: Dynamic Geofencing-Based Waste Management Platform | RegenX   *Ongoing*
- Built a real-time waste management app using **Kotlin** and **Firebase Cloud Messaging** for location-based alerts.
- Integrated dynamic geofencing with **Google Maps API** to notify users of nearby garbage collectors.
- Developed resident and collector modules with **AI-assisted** complaint validation using **TensorFlow Lite**.
- Designed a responsive admin dashboard with React.js and real-time tracking via **Firebase** and **MongoDB**.

GoTogether: Smart Ride-Sharing & Rewards Platform | Gotogether   *March 2025*
- Developed a scalable backend architecture for a ride-sharing platform using **Node.js**, **Express**, and **MongoDB**
- Engineered real-time route optimization by integrating **Google Maps API**
- Designed and deployed a secure payment system with **Razorpay API** integration
- Built **reward redemption** functionality into the payment gateway system

CogniChat: A Cognitive Assessment Therapist | CogniChat   *Dec 2024*
- Developed a mental health chatbot using **BERT**, **GPT**, **Flask**, and MongoDB.
- Integrated dynamic persona switching based on real-time emotion detection.
- Achieved fast, scalable performance with NLP-based optimization.

PillPal: Your Daily Dose Wingman | PillPall   *Oct 2024*
- Developed PillPal, a Telegram bot that manages medication reminders and provides AI-generated diet and exercise suggestions.
- Integrated **MongoDB** for user data storage and **OpenAI GPT** for personalized health recommendations.
- Implemented **Python asyncio** for handling asynchronous tasks and scheduling reminders.
- Implemented regular expressions for validating user input, such as tablet names and doses.

TECHNICAL SKILLS

- **Programming**: Python, C, Java, Data Structures & Algorithms, Object-Oriented Programming, PHP.
- **Database**: SQL, MongoDB
- **Development**: Git & Github
- **Tools & frameworks**: Flask, React, GPT, BERT, XAMPP, Canva, VSCode, IDE Eclipse
- **Others:** Operating System, Computer Networks
- **Soft Skills**: Adaptability, Leadership & Team work, Time Management, Critical Thinking

EXTRACURRICULAR

- Participated in 24 hour hackathon conducted in BGSCET
- Achieved top 20 position in SKIT 'Build for Bengaluru' 12 hour Hackathon
- Participated in SIET Tumkur 24 hour 'National Level Hackathon'
- Achieved top 5 position in college level python coding competition
- Conducted a week-long social media awareness program for high school students.
- IEEE Member, Institute of Electrical and Electronics Engineers *Present*