Tithi shah

Full-Stack Developer (Flutter & MERN) | Software ENGINEER 9825600097| [tithishah26@gmail.com](mailto:tithishah26@gmail.com) | Surat, Gujarat

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# Career Objective

Full-Stack Developer (Flutter & MERN) pursuing a Master’s in IT with hands-on experience in **AI/ML, mobile development, and scalable systems**. Passionate about solving complex problems through code. Strong foundation in **data structures, algorithms, and Linux environments**.

# SKILLS

**Programming Languages:** Java, C, C++, C#, JavaScript, HTML/CSS, MySQL, DBMS, Flutter, Kotlin, PHP, Python, JavaScript

**Full Stack Technologies:** MERN Stack (MongoDB, Express.js, React.js, Node.js) **Frameworks:** .NET, Figma

**Operating System:** Unix/Linux, Windows

**Other Tools:** VS Code, MS Office, WordPress, Android Studio, Arduino Uno, GitHub

**Soft Skills:** Problem-Solving & Critical Thinking, Adaptability & Flexibility, Team Collaboration, Effective Communication, Time Management, Prioritization, Multitasking

# Work Experience

## Full Stack Developer, Pragma Infotech | Surat, India June 2024 – Feb 2025

* Utilized a range of programming languages, including HTML, PHP, Flutter, and JavaScript, and tools like Git, to drive the development and maintenance of a web application.
* Responsibilities: Engaged in debugging and troubleshooting issues to ensure optimal application performance and reliability.
* Projects:

1. Rowan Decor (Flutter - Dart)
2. AIPL (PHP)
3. ZapBits (PHP)
4. Borana Weaves (PHP)

# Education

**Masters of Science: Information Technology**

Veer Narmad South Gujarat University | July 2025 - Present

**Bachelor of Science: Information Technology**

Veer Narmad South Gujarat University | June 2022 – May 2025 | GPA: 6.05

**Higher Secondary School: Science-Mathematics**

T&TV Sarvajanik High School | June 2021- March 2022

**Secondary School**

Sanskar Bharti Vidyalaya | June 2019 – March 2020

# PROJECT

**FinologyX – Financial Calculator 2024 – Present** [**GooglePlayStoreLink**](https://play.google.com/store/apps/details?id=com.app.finologyx)

* Designed and developed FinologyX, a mobile application offering a complete suite of financial and mathematical calculators using Flutter and MVC architecture, showcasing a user-centric implementation of API integration for enhanced interactivity.
* Built over 25+ calculators including SIP, Tax, Retirement, Loan, IRR, HLV, Child Education Planner, and Goal Planner, each with clean interactive UI and real-time result computation.
* Integrated advanced financial logic covering old vs new tax regime comparison, investment planning, inflation-adjusted returns, and EMI forecasts.
* Employed a modular and scalable UI, maintaining a consistent theme using custom color palettes and reusable components.
* Focused on user-friendly experience, dynamic input validation, tab-based navigation, and responsive layout for different screen sizes, adhering to best design principles.

# CERTIFICATIONS

**E-Yantra Innovation Competition, IIT Bombay, Regional Finalist 2023-2024**

* Designed an AI-powered robotic weed cutter using Python (OpenCV, TensorFlow) and IoT (Arduino, Raspberry Pi) to reduce herbicide use by 40% through precision weed identification/decomposition.
* Integrated cross-platform tools: Developed a Flutter mobile app for real-time sensor monitoring and a React.js dashboard to visualize weed-mapping analytics.
* Scaled system efficiency: Achieved 90% weed detection accuracy by training ML models on custom datasets, deployed via edge computing on the robot.

**Hands-on approach to AI for real-world applications, IIT Kharagpur 2023-2024**

* Successfully completed the 'Hands-on Approach to AI for Real-world Applications' course, organized by IIT Kharagpur AI4ICPS I HUB Foundation, in collaboration with TCS iON.
* This comprehensive program provided practical insights into applying artificial intelligence in real-world scenarios, gained valuable experience in implementing AI solutions, enhancing problem-solving skills, and understanding the practical challenges and opportunities in AI applications.

**E-Yantra Innovation Competition, IIT Bombay, 2024-2025**

Inner Voice – Healing Conversation (watch, mobile app, web)

* Designed and developed Inner Voice, a smartwatch-based health monitoring system focused on mental wellness, integrating wearable hardware with mobile and web applications, using REST API for seamless data exchange.
* Built a custom wearable prototype using an Arduino Uno, a MAX30100 (heart rate and SpO2 sensor), an ADXL345 (step counter), and an HC-05 Bluetooth module for real-time health tracking.
* Developed a Flutter-based mobile app for live visualization of sensor data and history logs, with seamless Bluetooth communication for real-time sync and notifications.
* Created a responsive web dashboard for doctors to access and monitor user health trends remotely, supporting better mental health insights.
* The system enables users to track their physical indicators linked to mental health, offering a low-cost, connected wellness solution.

# PROFESSIONAL DEVELOPMENT

* Programming Foundations: beyond theFundamentals **– LinkedIn Learning**
* Introduction to Career Skills in Software Development **– LinkedIn Learning**
* Fundamentals Programming Foundations**– LinkedIn Learning**
* Career Essentials in Software Development **- Microsoft and LinkedIn Career**
* Essentials in Software Development **- Microsoft**
* Learn Figma: UI/UX Design Masterclass from Beginner to Pro **– Udemy**
* Built a website with WordPress **– Coursera Project Network**
* Data Visualization: Empowering Business with Effective Insight **– TATA**
* Understanding Google Cloud Security and Operations **– Google**
* Introduction to Responsible AI **– Google**
* Introduction to Generative AI **– Google**
* Introduction to Large Language Models **– Google**
* Innovating with Data and Google Cloud **– Google**
* Infrastructure and Application Modernization with Google Cloud **-Google**
* Digital Transformation with Google Cloud – **Google**