

Tanay Shyam Shirke

Mumbai, Maharashtra, India

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Experience

Vhiron – IoT based Project (Project based Intern) ([Cover Letter](#))

Mumbai (Remote): Aug 23 – Mar 24

- **Integrated Advanced Technologies:** Successfully combined IoT hardware and software to create a reliable, automated alert system for hazardous scenarios.
- **Spearheaded IoT-Based Safety Project:** Led the end-to-end development of a Gas Leakage Detection System, focusing on innovation, safety, and 95% real-time responsiveness.

Phd Infocom Corporation - Internet Marketing Executive Intern ([Cover Letter](#))

Mumbai (Remote): June 23 – July 23

- **Strategic Online Marketing:** Crafted effective online marketing campaigns, focusing on increasing website traffic and improving brand visibility across digital platforms by 15%.
- **Social Media and PPC Campaign Management:** Created engaging content and ran targeted social media and PPC advertising campaigns, achieving higher audience interaction and improved ROI.
- **Website Traffic Optimization:** Implemented marketing strategies to achieve a 15% growth and improve brand recognition.

Projects

Shadow Connect – Android based project (Under Development)

Tools: Java, XML, Firebase [Authentication, Realtime Database (NoSQL)], Encryption Algorithm, Material Design 3

Summary: A messaging application providing user side encryption for messages requiring user authentication for converting it in normal readable format with option to send normal messages as well.

Responsibilities:

- Develop the frontend & backend entirely with XML & Java, operate efficiently with Firebase Realtime Database.
- Implemented user authentication & verification using Firebase authentication, ensuring secure access.
- Utilized Encryption Technique / Algorithm for user-side encryption and also allow sending normal messages.

Automatic Gas Leakage Detection System (AGLDS) – IoT based project

Tools: Arduino Uno, MQ-5 Gas Sensor, GSM Module (SIM800), C for microcontroller programming

Summary: Developed an IoT gas leak detection system with a sensor, alarm, and GSM-based SMS alerts for swift action.

Responsibilities:

- Designed and integrated an IoT system with sensors and a GSM module for real-time gas leak detection and notifications.

Website Projects – Web development based projects

Tools: HTML, CSS, Vercel, GitHub, Vs Code

Summary: Developed a Website for my Portfolio.

Responsibilities:

- Displayed all my projects and experience and made the website responsive.
- Hosted the website on Vercel using GitHub.

SKILLS

Technologies: Java, XML, HTML, CSS, Tailwind, JavaScript,, SQL, C, C++, AWT & Swing, Android, Web, Object Oriented Programming (OOP), Data Structures & Algorithm (DSA), Python

Tools: Android Studio, Eclipse, Firebase, Git, GitHub, VS Code, Vercel, MySQL, Gemini, ChatGPT, Cursor AI, Claude AI, Figma, Canva

Soft Skills : Leadership, Visualization, Communication, Attention to detail, Patience, Collaboration, Adaptability, Quick Learner

Spoken Languages: English, Hindi, Marathi

EDUCATION

Datta Meghe College of Engineering,
Airoli, Maharashtra, India

*B.E. in Artificial Intelligence & Data
Science – Second Year (Pursuing)*

Expected Graduation, August 2027

Vidyalankar Polytechnic Mumbai,
Maharashtra, India

*Diploma in Information Technology
(IT) – 82.13%*

September 2021 - June 2024

All Saints High School, Kalyan,
Maharashtra, India

*Secondary School Certification
(CBSE) – 84.20%*

September 2010 - June 2021

Personal Information

Hobbies : Listening & singing music, discovering technologies, graphic designing, cooking, workout, travelling

Profile Links: LinkedIn : [tanayshirke](#) | GitHub : [TanayShirke](#) | LeetCode : [tanayshirke](#) | YouTube : [TanayShirke](#)