

TIRTH DHANDHUKIA

tirth30.info@gmail.com - Portfolio - LinkedIn - GitHub - LeetCode

INTERNSHIPS

Research & Data Intern

CAESEX Firefighters

Jun 2025 – Jul 2025

- Trained and tested different **ML models** to identify **high-risk fire zones** using historical incident data.
- Reduced equipment installation time by **25%** through targeted deployment strategies.
- Enhanced safety coverage and accessibility by **90%** in high-risk areas via data-driven allocation.

Summer Intern

Royal Kids Pre-School

May 2025 – Jul 2024

- Collaborated on building an Admin Panel and dashboard using **React and ShadCN UI**, enabling faster navigation and reducing manual reporting time by **25%**.
- Contributed to developing **employee profile management** features, improving HR data accessibility and cutting profile update time by **30%**.

PROJECTS

EVision - EV Charging Forecasting & Location Planner

LIVE

- Forecasted EV charging demand using SARIMA and XGBoost to improve accuracy across regions.
- Applied K-Means clustering with GIS data to identify optimal charging-station locations.
- Generated actionable site-priority maps for planners and operators.
- **Tech stack** - (SARIMA, XGBoost, K-Means, React.js)

NOVA AI - Personal Chatbot

LIVE GitHub

- Built an AI API wrapper with secure authentication and Gemini API integration.
- Designed a responsive UI with React + TailwindCSS; deployed on Netlify.
- **Tech stack** - (React, TailwindCSS, Supabase Auth, Gemini API)

AI Daily Digest - n8n Automation

GitHub

- Built an automation pipeline on Google Cloud to deliver NY Times RSS feed and Mail to personal social platforms.
- Summarized Gmail and Outlook mails using Gemini and forwarded concise digests to Discord and Telegram.
- **Tech stack** - (Google Cloud VM, Gemini API, n8n)

SKILLS

Programming Languages: Python, JavaScript, TypeScript, HTML5, CSS3

Frameworks/Libraries: React.js, Express.js, Next.js, Node.js, TailwindCSS, Bootstrap, Scrum

Tools/Technologies: Git, Docker, Vite, AWS, Oracle CI, Supabase, n8n

Databases: MySQL, PostgreSQL, MongoDB

CERTIFICATIONS & ACHIEVEMENTS

LeetCode Knight: Rating 2000+ (Top 5% Global)

AWS Certified: Cloud Architecting

Oracle Certified: Data Platform 2025 Foundations Associate & Generative AI

Linkedin Certified: Docker Foundations Professional

EDUCATION

SVKM's Mukesh Patel School of Technology & Engineering

Aug 2026

Bachelor of Technology, Electronics & Telecommunications

Udayachal High School

Mar 2020

Class X