

# TIRTH SHAILESH THORIA

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## EDUCATION

### California State University, Long Beach

Master of Science - Computer Science

August 2023 – May 2025 (Exptd.)

Long Beach, CA

- **Coursework:** Data Structures & Algorithms, Software Engineering, SDLC, DBMS, Operating Systems, Web Development, Machine Learning, AI, Distributed Systems, Programming Languages.

### University of Mumbai

Bachelor of Engineering - Information Technology

August 2018 – May 2022

Mumbai, IN

- **GPA: 9.42/10.00**

## TECHNICAL SKILLS

**Programming Languages:** Python, C, C++, C#, Java, Kotlin, R, PHP, HTML, CSS, JavaScript

**Frameworks & Libraries:** Flutter, React.js, Node.js, Bootstrap, Tailwind CSS, Flask, FastAPI, Angular

**Database Management:** MySQL, MongoDB, Firebase, Microsoft SQL Server, SQLite

**Full Stack Development:** MERN, MEAN, FERN, .Net Full Stack, REST API

**Cloud Development:** AWS, Microsoft Azure, Heroku

**Tools & Software:** Canva, Adobe Express, AutoCAD, Microsoft Office (Word, PowerPoint, Excel), Google Suite

## WORK EXPERIENCE

### Accenture

Advanced App Engineering Associate

June 2022 – July 2023

Mumbai, IN

- **Designed** and developed **innovative** software solutions tailored to meet precise business requirements, resulting in improved operational **efficiency**.
- Led cross-functional teams in the successful delivery of **application design**, effectively communicating project vision and ensuring alignment with client goals.
- Developed comprehensive **testing plans** and executed rigorous **testing protocols**, resulting in a **20% reduction** in post-release defects.

### Creative Finserve Pvt Ltd

Software Developer Intern

February 2020 – June 2021

Mumbai, IN

- Led the development of a mobile application for the company's **CRM** website using the Flutter framework for Android and iOS, resulting in a **25%** increase in user engagement and a **20%** improvement in **accessibility**.
- Played a pivotal role in refining the **UI/UX** design, resulting in a **10%** boost in user engagement, and took creative ownership by crafting a distinctive **app logo** that resonated with the audience.
- Collaborated on optimizing the **back end** of the CRM system, implementing **PHP** and **MySQL** solutions that reduced data retrieval time by **30%** and enhanced data management efficiency.

### Blue Eye Soft Corp

Software Developer Intern

June 2020 – April 2021

Remote

- Engineered a **Genetic Algorithm**-based Class Scheduler using **Python** for the "CovidProtect" App, achieving **97%** scheduling accuracy and reducing resource conflicts by **40%**.
- Designed and seamlessly integrated a dedicated app module using the **Flutter framework**, ensuring compatibility across **Android** and **iOS** platforms, resulting in a **15%** increase in user adoption.
- Successfully deployed the class scheduler on an **AWS EC2 instance** and created a **robust API** using the **FastAPI framework**, enabling real-time access for users, with **99.9%** uptime and a **20%** increase in concurrent users.

## PROJECTS

### Examinator | React.js, Redux, Tensorflow.js, Firebase, Material UI

August 2021 – April 2022

- Examination system with **automatic real-time proctoring** utilizing **Tensorflow.js**, created using **React.js**, **Redux** and **Material UI**, with a **Firebase** backend for storage and authentication.

### Schedulex | React.js, Redux, Material UI

April 2022 – April 2022

- **Timetable Generator** for schools, colleges and universities utilizing **Genetic Algorithm** made using **React.js**, **Redux** and **Material UI**.

## ACHIEVEMENTS

- Winner of Mumbai Hackathon, hosted by FOSS United Foundation and Don Bosco Institute of Technology, Mumbai on 9th and 10th April 2022.
- 1st Rank in Spoken Tutorial IIT-Bombay examination for Python in college held on 23rd October 2021.
- 3rd Rank in Spoken Tutorial IIT-Bombay examination for PHP & MySQL in college held on 3rd September 2020.