

## P S THOUFIQ

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 @Thoufiq26

 Shaik Thoufiq

### SKILLS

**Programming Languages:** Python, Java (Basics), C (Basics)

**Web Development:** MERN Stack Development ,BootStrap

**Database:** SQL

**AI & Automation:** Model Context Protocol (MCP), Claude Integration, OpenCV

**Tools & Technologies:** Git & GitHub, VS Code, Jupyter Notebook, PyCharm,API Integration,Linux

**Concepts:** Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Database Management Systems (DBMS), Operating Systems (OS), Computer Networks, Artificial Intelligence & Machine Learning (Basics)

### EDUCATION

- B. Tech in Computer Science and Technology (CST)  
Madanapalle Institute of Technology & Science | CGPA: 8.67 (3rd Year, 1st Semester)
- XII | Mother Teresa Junior College 78.8% | 2022
- X | Universal High School 77.5% | 2020

### EXPERIENCE

**Slash Mark IT Solutions | Python Online Internship | May 2024 - July 2024**

- Developed Python scripts for a password generator, to-do list, and number guessing game
- Applied programming techniques and Object-Oriented Programming (OOP) principles

**Skills:** Python, Problem-Solving, Object-Oriented Programming (OOP)

### PROJECTS

#### 1. Mocksy – AI-Powered Interview & Preparation Platform

- Built a full-stack web application offering AI-driven mock interviews with camera and mic integration, real-time feedback, and rating system.
- Integrated job application portal, subject-wise preparation links, and an interactive coding editor with compiler.
- **Tech Stack:** Next.js, React.js, Tailwind CSS, Framer Motion, Clerk Auth, Drizzle ORM, PostgreSQL, Judge0 API.

#### 2. Universe App

- Created an interactive learning platform using NASA APIs, featuring space facts, astronomy calendar, and multimedia content.
- **Tech Stack:** React.js, Tailwind CSS, NASA APIs, Render

#### 3. Weather App

- Designed and Developed a web application to fetch and display real-time weather data using OpenWeatherMap API.
- Implemented responsive UI for dynamic weather updates based on user location input.
- **Tech Stack:** HTML5, CSS3, JavaScript, OpenWeatherMap API.

#### 4. Notion MCP Integration

- Configured and deployed a Notion MCP (Model Context Protocol) server using an open-source GitHub project to enable AI-agent interaction with Notion.
- Set up environment variables, built the project using TypeScript, and connected the server to Claude's local agent framework.
- Enabled natural language commands for automated Notion tasks like creating pages, updating databases, and summarizing content.
- **Tech Stack:** Node.js, TypeScript, Notion SDK, Model Context Protocol (MCP), GitHub

#### 5. Face Detection Using OpenCV

- Built a real-time face detection script using Python and OpenCV.
- Applied image processing techniques for accurate facial recognition.
- **Tech Stack:** Python, OpenCV.

#### 6. Saturn's Ring Tilt Calculation

- Implemented a Python program to calculate the tilt of Saturn's rings using astronomical data.
- Utilized mathematical models and data visualization to represent tilt variations over time.
- **Tech Stack:** Python, Matplotlib, NumPy, Ephem, Datetime.

#### CERTIFICATIONS

- AI/ML for Geodata Analysis | ISRO
- Full Stack Developer | IBM
- AWS Cloud Practitioner Essentials | AWS
- Accenture Software Engineering Simulation | Accenture
- Python Basics for Data Science | IBM
- Python Essentials 1 | Cisco Networking Academy
- Python Essentials 2 | Cisco Networking Academy
- Introduction to C | SoloLearn

#### WORKSHOPS & EVENTS

- Participated in the Web Development Workshop at Madanapalle Institute of Technology & Science (MITS), focusing on HTML, CSS, and JavaScript basics.
- Took part in the College-Level Tech Quiz conducted by the CSE Data Science Department during D'Festa at MITS, enhancing technical knowledge.

#### ACHIEVEMENTS

- Solved 200+ problems on LeetCode and GeeksforGeeks, focusing on Data Structures and Algorithms.
- Top 5% NPTEL Topper in "Privacy and Security in Online Social Media" course