

# THARUN B

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## SUMMARY

Experienced in developing efficient, scalable solutions with a strong grasp of deep learning models, cloud deployment, and real-time analytics. Eager to learn and contribute to software development projects, while leveraging the knowledge of ML and cloud platforms to create efficient and scalable solutions. Skilled in working within agile teams to drive product development from concept to deployment.

**Areas of Interest:** Web Development, Data Analysis, Machine Learning.

## EDUCATION

### SNS College of Technology

Bachelor of Technology in Information Technology

CGPA: 8.25

Coimbatore, India

2022 - 2026

## WORK EXPERIENCE

### Djit Trading

Business Analyst

Chennai, India

Jun 2020 - Feb 2024

- Developed a comprehensive data interpretation framework that improved the accuracy of forecasting models, reducing forecasting errors by 15%, allowing the team to make better-informed business decisions.
- Conducted data-driven analysis to optimize operational efficiency, reducing reporting time by 67%.

### Accezz Minds

Full Stack Developer

Bangalore, India

Jul 2024 - Jul 2024

- Created over 8 functional prototypes showcasing distinct features within weeks through rapid design iterations focused directly on enhancing client engagement metrics derived from initial testing sessions conducted promptly.
- Optimized database queries, reducing load times by 40%.
- Designed and deployed user-centric applications, utilizing Figma.

## PROJECTS

### Fire Detection Using Open CV

Mar-2023

- Deployed a real-time fire detection model with an accuracy of 92% using convolutional neural networks.
- Enhanced understanding of neural networks, image classification, Improved model efficiency, reducing false positive rates by 20%.

### Cartoonify The image

May-2023

- Utilized OpenCV and Python to develop a cartoonification pipeline, achieving smooth real-time rendering.
- Optimized algorithm performance, reducing processing time by 42%.
- Improved image clarity by 30% through enhanced edge detection techniques.

### Image Stitching

Dec-2023

- Designed the user interface and user experience for the application.
- Created wireframes to outline the flow of execution and implemented the image stitching process using OpenCV.
- Increased processing speed by 35% using optimized image transformation algorithms.

### Customer Onboarding

May-2024

- Developed a modular onboarding system, enabling streamlined customer registration and secure data storage.
- Integrated Android app UI with database management, ensuring a smooth user experience across roles.
- Enhanced security features, reducing unauthorized access attempts by 50%.

## CERTIFICATIONS

- IOT, IIT Madras (2023):** Focused on IoT architecture, protocols, and hands-on projects with sensor networks.
- Python, Hacker Rank (2024):** Demonstrated proficiency in Python programming and problem-solving techniques.

## SKILLS & INTERESTS

- Programming Languages:** Python, C++, SQL, HTML
- Web Development:** HTML, CSS, JavaScript, Figma (UI/UX Design)
- Version Control:** Git, GitHub
- Soft Skills:** Problem Solving, Leadership, Team Work, Critical Thinking.