

# DEV SHINDE

International Institute of Information Technology, Bangalore

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## Education

**International Institute of Information Technology, Bangalore**

**Aug 2024 – May 2027**

*Master of Science by Research in Data Science*

*GPA: 3.55/4.00*

**Silver Oak University**

**Aug 2020 – May 2024**

*Bachelor of Technology in Computer Engineering (AI and ML)*

*GPA: 9.94/10.00*

## Experience

**International Institute of Information Technology, Bangalore**

**August 2024 – Present**

*Research Scholar*

*Bangalore, Karnataka*

- Working on the Research Topic of Digital Public Infrastructure (Designing Scalable Infrastructure for a Population Scale under Prof Srinath Srinivasa at Web Science Lab)
- Currently working on creating a framework for robust Cross Border Data Sharing
- Helping in build Scalable Consent Based Management System funded by Indian Urban Data Exchange

**Sahana System Limited**

**December 2023 – May 2024**

*AI Technology - Delivery and Support Intern*

*Ahmedabad, Gujarat*

- Building industry scale production ready computer vision models and large language models.
- Using different deep learning and computer vision techniques to preprocess precious clients data and build robust infrastructure and pipelines to make their work flow efficient through AI.
- Building custom architectures for companies, going through several research papers and architectures which can be used on larger scale for commercial purposes.

## Projects

**FireNet: Engineering Optimal Emergency Coverage for Bangalore** | *Python, Network Science* **December 2024**

- Developed an advanced geospatial network analysis system for optimizing emergency response coverage in Bangalore, addressing critical infrastructure gaps between existing fire stations and rapidly growing urban areas
- Engineered a comprehensive scoring algorithm combining population coverage, response time analysis, and network centrality metrics to identify optimal locations for new stations, significantly enhancing emergency service accessibility across residential and commercial zones.

**Justice.ai** | *Django, HTML, CSS, JS*

**December 2023**

- Developed an advanced geospatial network analysis system for optimizing emergency response coverage in Bangalore, addressing critical infrastructure gaps between existing fire stations and rapidly growing urban areas
- Implemented a custom-trained instructor LLaMA-2 model, utilizing LangChain to deliver accurate and context-sensitive legal answers based on user scenarios.
- Used LLamaIndex Framework for Document Summarization and GPT-4 Vision for Document Recognition and extracting valuable insight and assistance.

**INKSIGHT** | *Python, Flask, DevOps*

**December 2024**

- Build a Legal Assistance System in New India Vibrant Hackathon and got 3 Rank in Social Impact Sector among 1400 teams.
- Implemented comprehensive DevOps practices through automated CI/CD pipelines using Jenkins, Docker, and Kubernetes, with secure configuration management via Ansible Vault and robust monitoring through ELK Stack. The system demonstrates effective integration of modern cloud-native technologies while delivering practical AI-powered tools for mathematical and document processing tasks.

## Technical Skills

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**Languages:** Python, C, C++

**Technologies/Frameworks:** Linux, Jenkins, GitHub, Flask, Docker, Kubernetes

## Achievements

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### New India Vibrant Hackathon

December 2023

- Came 3rd Rank in Social Impact Sector among 1400 teams
- Our Team had build a Justice.ai project ; a Legal Awareness System which can be used by commo people of India irrespective of language and community to resolve all their legal queries
- We won cash prize of 50,000 Ruppes and also Our Project got showcased in my Startup India

## Relevant Coursework

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- Software Production Engineering
- Network Science
- Multi Agent System
- Vision Recognition
- (Multi Objective Machine-Learning)

## Certifications

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### Coursera

August 2022

Google

- Architecting with Google Compute Engine
- Reliable Google Cloud Infrastructure: Design and Process
- Elastic Google Cloud Infrastructure: Scaling and Automation.

## Leadership / Extracurricular

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### Alumni Committee

October 2024 – Present

*International Institute of Information Technology, Bangalore*

- Led and executed alumni engagement events at IIIT Bangalore, fostering meaningful connections between current students and graduates while coordinating logistics for reunions and professional networking sessions.
- Built and managed relationships with the institute's alumni network through strategic outreach initiatives, facilitating knowledge sharing and creating valuable mentorship opportunities between alumni and students.

### GDSC (Google Developer Student Club) Lead

July 2023- May 2024

*Silver Oak University*

- Leading the Google Developer Student Club at Silver Oak University, overseeing and mentoring a team of enthusiastic students., so that student of today can become developers of tomorrows