Ishan Apte

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EDUCATION

Indiana University Bloomington (On Going) — Bloomington, IN
MS in Computer Science, Current GPA - 3.5/4 — *Aug 2023 - May 2025*

Pune Institute of Computer Technology — Pune, India
Bachelor's in Computer Engineering, Minors in CyberSecurity, GPA - 8.88/10 — *Aug 2019 - May 2023*

EXPERIENCE

Research Assistant Internship — Feb 2022 - May 2022
Pune Institute of Computer Technology — *Pune, India*

- Implemented a Convolutional Neural Network for weather condition classification with an 88% accuracy, contributing key findings to the project

Web Developer Intern — Jun 2021- Sep 2021
Finquest (Indian Economics Updates) — *Pune, India*

- Designed the front-end of a website that showcases news articles produced by FinQuest
- Experimented with Bootstrap to produce an eye-catching grid display of articles using the ReactJs Framework

PROJECTS

SportConnect | *MERN Stack, Docker, CI/CD pipelines, OAuth* — Mar 2024 – Jun 2024

- Built a full-stack web application using MERN stack which functioned as a social media app for finding people with similar sporting interests
- Encompassed all the key features of a Social Networking App, including Login, Posts, Comments, and Chatting

AI Planning - Event Management | *Python, Case-based reasoning, Tkinter* — Mar 2024 – Jun 2024

- Designed and implemented a Case-Based Reasoning system for IMU Catering, that enabled the planning of over 15 distinct events each month with reduced planning overheads
- Created three databases from scratch to integrate with the CBR process
- Produced a UI for the end user to easily describe the event

Hydroponics Project | *Raspberry Pi, Python, Actuators, Autonomous* — Jun 2022 - Aug 2022

- Engineered a hydroponics system using Python and physical sensors to autonomously regulate temperature, humidity, and nutrient levels; achieved optimal conditions that resulted in a 30% higher vegetable yield within the first growth cycle, while utilizing 40% less space compared to traditional farming methods
- Utilized Python libraries and physical sensors to control environmental parameters for growing vegetables under ideal conditions

TECHNICAL SKILLS

Languages: Python, C++, SQL
Development: JavaScript, Bootstrap, HTML, CSS
Frameworks: MERN Stack, Django, Flask
Developer Tools: Git, Docker, VS Code, Prompt Engineering
Libraries: Pandas, NumPy, Matplotlib, Tkinter, JSON

AWARDS & ACHIEVEMENTS

PICT Hackathon 2022 Runner Up - Home Security Device using old smartphones
Conducted Talk on Basics of Web Development - MERN Stack
Machine Learning Paper Published - Sentiment Analysis