Devyash Saini

Second Year B.Tech | Computer Science | IIIT Vadodara
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EDUCATION

UNDERGRADUATE (CSE)
IIIT Vadodara | Expected 2027

WORK EXPERIENCE

FREELANCER
Machine Vision Direct
August, 2024

GENERAL SECRETARY
DOT - Design Club IIITV
AY 2024 - 2025

MEMBER
IIITV Coding Club
2023 - present

SKILLS

- Distributed systems
- Software Design
- Networking
- Fullstack Development

PROGRAMMING LANGUAGES
- Typescript
- Rust
- Python
- PHP

TOOLS-FRAMEWORKS
- Node.js
- Express.js
- Next.js
- Flask, FastAPI
- GenAI
- Langchain, Pinecone
- Supabase
- TailwindCSS
- Docker
- Socket.io
- Azure Cloud Platform
- Version Control System: Git, Github

SOFT-SKILLS
Leadership | Event Management | Team management | Versatile | Strong Analytical Skills | Trust building | Strong Problem Solving Skills | Time Management | Communication Skills

LINKS

Github: @thedevyashsaini
LinkedIn: @thedevyashsaini

PROJECTS

RUSTICLE | Interpreter Design, Rust
A Custom Language Interpreter in Rust for new Lin Language
- Implemented a lexer, parser, and interpreter for executing Lin code.
- Created a package management system for importing and installing packages.
- Built a backend service using Actix-web for package distribution.
- Ensured robust error handling and user-friendly error messages.
- Implemented CI/CD pipeline using GitHub Actions for automated build, test, and deployment of the Rusticle project to Azure Web App.

HACKTHEPLOT | Full Stack, Next.js
Custom CTF platform for Technical Fest's flagship event - TechHunt
- Developed a custom CTF hosting platform tailored for TechHunt using TypeScript, Tailwind and NextJs.
- Implemented features such as a real-time scoreboard, progression graphs, and a custom scoring system.
- Rapidly developed the platform in just three days, ensuring a user-friendly interface with animated backgrounds and audio playback hints.
- Achieved over 50% participant retention till the end of the event.

TICKET-SYSTEM | Frontend, Next.JS
A personalized ticket-booking system for Institute's cultural fest
- Developed a robust Ticket Booking System for IIITV Events using TypeScript, CSS, and JavaScript, ensuring efficient event management and ticket processing.
- Implemented QR scan entries, reducing check-in time by 40%.
- Collaborated with a team to integrate JavaScript functionalities, achieving seamless interactions and dynamic content updates.

ALPHA | NLP, Python
Artificial Lifeform Programmed for Higher Assistance
- Developed an AI powered virtual assistant with basic PC control ability.
- Fine-Tuned custom spaCy model for NLP utilizing TextCat (Text Categorizer) and NER (Named Entity Recognizer) pipelines for prompt understanding.
- WebScraping for social profiles searching and books downloading.

RESEARCH

AI AND HUMAN RELATIONSHIPS | Lead Undergrad Researcher

Worked under giudance of **Dharti Sharma** & **Dr. Barnali Chetia** to analyze AI's impact on human relationships and advocate for responsible AI integrations.

ACHIEVEMENTS

- FY Special award at Hack.IIITV'24 hackathon - ML track.
- Presented research paper at Pan NIT HSSRC 2024.
- Organised **TechHunt'24 CTF** at IIITV
  - Hosted a Capture The Flag (CTF) competition with an immersive storyline.
  - Managed 6 supporting servers and over 44K lines of code.
  - Achieved 8.5x increase in participation compared to previous events.
  - Designed challenging cybersecurity questions across 13 different domains.