

LAKSHAY CHAWLA

CS Undergraduate Student

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EXPERIENCE

Cyphinix Ltd

Senior Developer and Development Manager

- Designed and developed the organisation website.
- Managed the Website SEOs and Google AdSense.

Chandigarh University, IN

July, 2021 – Present

IEEE DELHI SECTION

Technical Coordinator

Chandigarh University, IN

July, 2021 – Present

IEEE CHANDIGARH UNIVERSITY STUDENT CHAPTER

Web Master and Student Member

Chandigarh University, IN

Nov, 2021 – Present

- Working on AI, web and research projects, research papers and patents.
- Redesigned the management system, with new modules, which includes new registration forms, improved dashboards for all types of users i.e., Student, Faculty and Administration.

EDUCATION

CHANDIGARH UNIVERSITY

Bachelor of Engineering in Computer Science Hons. with specialization in Artificial Intelligence and Machine Learning

Chandigarh, IN

2020 – 2024

- Selected for International Joint Project Collaboration with UNIS Group, Brazil.
- Selected as an event anchor and Student Coordinator for Cultural and Departmental Events.
- Appointed as the Class Representative for 2020 – 2021 batch.
- Filed 1 patent and 2 research papers.

PROJECTS

AI BASED UNIVERSITY INSTITUTE EVALUATION SYSTEM [Course Semester Project @ 4th Semester]

Technologies used: Node JS, MongoDB

- Designed new evaluation system for students, where they can add their achievements (other than academics) and university can view them and the respective teachers/mentors can score them according to their achievements.
- Built proper UI similar to UNIVERSITY MANAGEMENT SYSTEM, with proper dashboards and interfaces for each level of users i.e., student, faculties, and deans.
- Introducing a Machine Learning Classification Algorithm in order to predict student's marks.

UNIVERSITY INSTITUTE MANAGEMENT SYSTEM FOR PROFESSIONAL SOCIETIES

Technologies used: Node JS, MongoDB

- Redesigned the UI of existing management system, with proper responsive designs and new dashboards.
- Designed and introduced 5 new modules for managing professional societies in university
- Proper Dashboarding for all types of users i.e., Students, Faculties, and Manager.
- Upgraded security for admins and other users as well.

JOB INDIA REGISTRATION PORTAL

Technologies used: Node JS, MongoDB

- Engineered the whole backend of web application in NodeJS.
- Upgraded security for admins.
- Devised candidate registration forms using MongoDB
- Engineered admin dashboard to view candidate entries using EJS.
- Working further on candidate's email and phone number verification and account sign-up pages

GOOGLE KEEP CLONE WEBSITE

Technologies used: Node JS, MongoDB

- Devised a blog website using NodeJS and Mongo DB, with proper UI, for basic operations similar to Google keep.
- Remodelling the front-end interface with React JS and extending it to android and iOS application.

PERSONAL WEBSITE

- Designed the front-end and back-end of my personal website.
- Employed various databases and APIs.
- Optimized responsiveness for better User Experience.

SKILLS AND EXPERTISE

- Machine Learning
- Data Science
- Web Development (Front-end and Back-end)
- Working with Data Structures
- Programming Algorithms
- NodeJS and Express
- C/C++, Python, Java, JS
- Databases (SQL and NoSQL)
- MongoDB
- React JS
- Flask.py

PATENT PUBLICATIONS

MULTILEVEL SECURITY-BASED COMPUTING DEVICE

The Patents Act, 1970

- Successfully filed

RESEARCH PAPERS

UAV DELIVERY SYSTEM

International Journal of Scientific Research and Engineering Management

- Diagnosed the current UAV Delivery system.
- Evaluated the working of Dijkstra Algorithm and Nearest Neighbour Problem.
- Concluded proper costs and efficiency of UAV Delivery system

[View Publication](#)

LIVE NAS SERVER WITH RASPBERRY PI

International Journal of Scientific & Engineering Research

- Deployed raspberry pi as a Network attached storage server, to access data from any computer under LAN.

[View Publication](#)

CERTIFICATIONS

Coding for Everyone – C and C++ Specialization, University of California, Coursera

[Certificate](#)

Complete Web Development Bootcamp, Udemy

[Certificate](#)

Complete Python Bootcamp, Udemy

[Certificate](#)

Python Data Structures, University of Michigan, Coursera

[Certificate](#)

Web Scraping with Python + Beautiful Soup, Coursera

[Certificate](#)

Linux Command Line, Coursera

[Certificate](#)

Digital Marketing, Udemy

[Certificate](#)

ACHIEVEMENTS

- Ranked 2nd in Meltdown Group Discussion Competition, organised by VIT, AP University.
- Ranked 1st in Runtime-Flash coding competition
- 5 star coder in C++ on HackerRank
- 2 star coder on CodeChef
- 2nd runner-up in Inter-department Declamation Competition

LANGUAGES

- **ENGLISH:** Native Speaker
- **HINDI:** Native Speaker