CHANDAN DIXIT

#485 AGB Layout Bangalore 560090 | chandandixit812@gmail.com | +91-8073203081|www.linkedin.com/in/cdix813/

EDUCATION

Sai Vidya Institute of Technology, Vishveshwarya Technical University , Bangalore, India
Bachelor of Engineering in Computer Science *December 2020-June 2024*
Cumulative GPA: 7.98/10.00
Relative Coursework: Database Management systems, Data Structures and Algorithms,Operating Systems
Software Engineering, Computer Networks, Big Data Analytics, Internet of Things,Web Technologies

TECHNICAL SKILLS

Languages: C, Java, Python ,Html , JavaScript
Technologies: CSS, node.js ,Android studio
Database: MySQL, MongoDB

PROFESSIONAL EXPERIENCE

Varcons Technologies Pvt. Ltd, *Intern* | Bangalore, India *August 2023 – October 2023*

- Completed a two months internship and worked on Software Development
- Worked on how the web functions through HTTP/HTTPS protocols, with servers and clients exchanging requests and responses. The training covered web architecture including how servers, databases, and APIs interact to deliver content.
- Developed a complete professional, functional web application as part of the final assessment, involving both front-end and back-end components using HTML, CSS, JavaScript, Node.js and Mysql
- Worked with server-side technologies like Node.js, Python, and PHP to handle user data, request and response processes, user authentication, data retrieval, data manipulation and business logic . Gained insight into debugging code errors using built-in Browser development tools in Chrome Palette using elements, console, and networks and tested performance using Lighthouse.
- Gained proficiency in Database Management Systems performing CRUD operations, schema design, indexing, and query optimization.

ACADEMIC PROJECTS

Sustainable Farming and Smart Agriculture *August 2023 – May 2024*

- Collaborated in a team of four to develop an autonomous Agri-bot designed to streamline farming operations through IoT and Bluetooth-based communication systems. The robot featured functionalities such as tilling, seed sowing, and irrigation, all operated wirelessly and powered by a battery-operated system.The robot is controlled through an Android app within a wireless range of communication.
- Developed the main control program using the Arduino IDE. Implemented the functionality for receiving commands via Bluetooth HC05. Programmed the robot's movements and actions based on user input from the application.

Gym Application (Fitness App) *August 2022 – May 2023*

- Developed a mobile fitness application as part of a two-member team to promote healthier lifestyles. The app allows users to create personalized workout plans, access exercise tutorials, calculate BMI, and log daily activities. It is compatible with Android mobile devices for broader accessibility.
- In my role for this project, I was responsible for Developing layouts that enhance user experience by focusing on aesthetics and implemented responsive design principles using XML in Android Studio. Also, implemented login activity validation using Java ensuring efficient authentication and maintaining data integrity.

Car Rental System *August 2023 – October 2023*

- Worked in a team of 4 . This project involved developing a web-based car rental platform that enables users to rent vehicles online. The system allows users to search for vehicles based on availability, filtering by criteria such as vehicle type, size, and price, for specific dates and times. It integrates a centralized database to manage vehicle records, including their availability status (e.g., available, booked, maintenance), allowing seamless reservations and booking management.
- I contributed to the front-end development, focusing on designing and implementing the web pages using HTML, CSS, and JavaScript. Key features I developed included interactive components like car listings, filters, and reservation forms, aimed at enhancing user engagement. Additionally, I implemented client-side validation to ensure data integrity and improve the overall user experience.

PUBLICATIONS

Ashwini S.S, Chandan Dixit, “Farm Management for Sustainable AI and IoT Based Agriculture” published in International Journal of Agro chemistry, Aug’24, vol 10, Issue 01

PRESENTATIONS

Presented the poster on "AI and IoT for Sustainable Farming and Smart Agriculture" as part of the Karnataka State Council for Science and Technology (KSCST) on the theme Big Data and at the National Conference on Project Process Technology in Business in Innovation held at SVIT, Bengaluru, May'24 and Apr'24, respectively.

WORKSHOPS

- Attended a five-day workshop Module on "AI - powered Computer Graphics and Fundamental of Image Processing" conducted by Smt. Divyashree S, Certified AI and Deep Learning Engineer, at Sai vidya institute of technology, Bengaluru, May'24
- Took part in a five-day workshop Module on "Aurdino UNO Based industrial applications projects" conducted by Dr. Shantakumar B Patil,HOD,CSE, at Sai Vidya Institute of Technology, Bengaluru, Apr'24
- Showed up for 'Latex workshop' conducted by Prof. Pradeep Kumar K, at Sai Vidya Institute of Technology, Dec'23 .
- Signed in for 'NS2 Simulator' workshop conducted by Dr.Abhijith H.V, Dayanand sagar university, at Sai Vidya Institute of Technology, Dec'23 • Was present at 'Tableau for Data Analytics' workshop conducted by Dr. Shanta kumar B Patil,HOD,CSE, at Sai Vidya Institute of Technology, May'23 .
- Attended 'Devops and its need in SDLC' workshop conducted by the Ranjith Kumar, Associate Manager, Accenture, held at Sai Vidya Institute of Technology, Aug'22.

SEMINAR AND CONFERENCES

- Delivered a seminar on 'Role of Artificial Intelligence in Agriculture: An Analysis and Advancements with Focus on Plant Diseases' at SVIT, Bengaluru, May'24
- Attended IEEE National Conference by IEEE student congress-2022 on Machine learning & cyber security held at Vidyavardhaka College of Engineering, Mysore, Jul'22

EXTRACURRICULAR ACTIVITIES

- Organized and conducted many sports events and group events such as Crypto Hunt, conducted in SVIT, Bengaluru, Jun'22-May'24
- Participated in voluntary painting activity of government school conducted by Jangama Foundation, May'23
- Active Member of National Service Scheme, participated in plantation drive, cleaning services, and awareness about Swachh Bharat through a campaign conducted by SVIT at Hulukudi Betta, May'21-Apr'24