



## Angadjeet Singh

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[Github](#) [LinkedIn](#) Portfolio



### Education

#### Indraprastha Institute of Information Technology

B.Tech(Computer Science Engineering)

2022 – Present

CGPA: 8.10

(till 4<sup>th</sup> Semester)

#### KRD International School, Delhi

CBSE

2021 – 2022

Percentage: 91.8

#### Springfields Public School, Yamuna Nagar

CBSE

2019 – 2020

Percentage: 87.7

### Skills

**Expertise Area** Data Structures And Algorithms, Web Development, Machine Learning, Object-Oriented Programming, Operating Systems.

**Programming Language** Java, C++, Python, C, Javascript.

**Tools and Technologies** React, HTML, CSS, Bootstrap, Flask, AJAX, MySQL, Scikit-Learn, Pandas, JavaFx, GitHub, Vscode, Linux.

**Technical Electives** Algorithm Design and Analysis, Advanced Programming, DBMS, Discrete Mathematics, Linear Algebra, Probability and Statistics, Multivariate Calculus.

### Internship/Experience

#### CoSysLab(Research) - [Github](#)

(May,24 – Present)

Guide: Dr. Ganesh Bagler

Team Size-2

❖ Developing ML application for molecular toxicity prediction, surpassed MolToxPred and ToxiM using **deep learning** models (ANN) along with **Bayesian optimization**. Built a **custom dataset** from T3DB and research papers, applied feature engineering for enhanced data insight.

❖ Evaluating models (XGBoost, Logistic Regression, ANN) to determine optimal performance.

#### Networked Autonomous Systems Lab(Research)

(May, 24 – Present)

Guide: Dr. Sanjit Kaul

Team Size-2

❖ Developing a **safety-focused API** for robot emulation on Jetson racer bots which aims to provide safeguarding against potentially harmful instructions.

❖ Integrating the API with existing testbed equipped with CV and LiDARs for Localization of the bot in real time.

## Projects

### CryptoVision - [GitHub](#)

(Jun,24 – July,24)

Guide: Self

Team Size-1

- ❖ Developed a cryptocurrency forecasting app using **scikit-learn** to train and compare **regression** models, leveraging Kaggle's "Cryptocurrency Historical Prices" dataset.
- ❖ Deployed on **Streamlit**. The app offers real-time price predictions and interactive plots using **data visualization** libraries like **Plotly**, **Seaborn** and **Matplotlib**. ([Live Link](#))

### SysShell - [GitHub](#)

(Sep,23 – Nov, 23)

Guide: Dr. Vivek Kumar

Team Size-2

- ❖ Developed a command line application in **C** with a custom **Unix shell**, incorporating advanced features like **Multilevel Queue** (MLQ) and Round Robin schedulers to ensure efficient process management.
- ❖ Used **IPC** mechanisms and employed paging from scratch for **memory optimization**.

### Daily Harbour - [GitHub](#)

(Jan,24 – May,24)

Guide: Dr. Mukesh Mohania

Team Size-2

- ❖ Developed an end-to-end ecommerce application with a python backend using **Flask**, focusing on DBMS and **SQL** integration. Used **HTML**, **CSS**, **JavaScript** and **Bootstrap** for frontend, and **AJAX** for seamless connectivity.
- ❖ Used principles such as query optimization and transaction control to ensure a high performing and scalable database.

### Stick-Hero - [GitHub](#)

(Oct,23 – Dec, 23)

Guide: Dr. Raghava Muthuraju

Team Size-2

- ❖ Developed a custom Stick Hero game in Java using JavaFX and Maven, featuring save-game functionality a **multithreaded** sound player and a points system.
- ❖ Used **OOP** principles such as Inheritance, Polymorphism, Abstract classes and **design patterns** to make a modular and maintainable codebase. Along with thorough **JUnit testing**.

## Positions of Responsibility

❖ Core Member **@Robify.in**

(Jan,24 – Present)

❖ PR-Team Lead **E-Summit'24**

(Feb,24 – April,24)

❖ Head of Operations Team at **E-merge'23** by E-Cell IIITD

(April,23 – Mar,23)

## Awards and Achievements

- ❖ Finalist, **"DevHaven, 2024"** a hackathon focused on innovative API-driven development.
- ❖ Contributed to ScottPlot, an **open-source** data visualization library.
- ❖ Solved over 350 DSA problems on **Leetcode**.

## Interests and Hobbies

- ❖ Cricket
- ❖ Reading Novels

Declaration: The above information is correct to the best of my knowledge.

Angadjeet Singh

Date: June 19, 2024