# Karmanya Singh

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## Education

### Shoolini University                                                    2021-2025

Bachelor of Computer Science Engineering(AIML)

- Co-founded and led **HackHound**, the first tech club in the university, fostering a cybersecurity community for beginners in the field. Organized and mentored cohorts of **50+** students annually.
- Executed the first Techfest in the university, GLITCH and directed a team of **16** people to manage and operate 4 different events with **5000**+ total footfall during the event.

## Projects

### <u>Data Science Project:</u> Wine Quality Analysis For A Local Winery

- Applied machine learning algorithms to predict wine quality with **93.75%** accuracy, using a dataset of **1,600**+ wine samples and analysing chemical properties like pH level, acidity, and alcohol percentage.
- Conducted comprehensive Data Cleaning and Data Pre-Processing To Address Missing Values.
- Constructed a regression model and achieved an RMSE with a **Random Forest Regression Model**.
- Tools Used- Python, Pandas, NumPy, Scikit-learn, Matplotlib, Jupyter Notebook

### <u>Web-development Project:</u>

1. **CMS for Canteen/Restaurant**

- Enabled Secure Authentication with varied access credentials for the customers and staff respectively.
- Created a user-friendly menu management for the staff to add, update or delete up to **75** items based on their inventory.
- Incorporated a customer feedback section for the customers to facilitate their reviews and suggestions.
- Tools Used- ReactJS, CSS, HTML, PostgreSQL, Django.

2. **Landing Page for the Techfest**- (www.glitch.shooliniuniversity.com)

- Coded a captivating landing page for the university tech-fest with animations and 5 registrations cards.
- Integrated the Google Maps API to display the venue location.
- Constructed the entire project within a record time of **3** days
- Tools Used- ReactJS, CSS, HTML, Git for version control.

## Work Experience

### Cyret Technologies, Pune                                              January 2024

*Full Stack Developer Intern*

- Worked with PostgreSQL and Django on the back-end for a project that consisted of 50,000+ records.
- Resolved the older UI problems and played a key role in front-end development by modernizing the interface using ReactJS and CSS, leading to a 28% increase in user visits.

## Technical Skills

| | | | | | |
|---|---|---|---|---|---|
| • ReactJS | • Machine Learning | • Pandas | • Django | • MongoDB | • mySQL |
| • Python | • Matplotlib | • Git | • CSS | • PostgreSQL | • SAP-ABAP |

## Certificates & Achievements

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|---|---|---|
| 1. | **SAP-** Certified Associate | **June 2023** |
| 2. | **Stanford University-** Internet Of Things | **September 2021** |
| 3. | **State Gold Medal-** Senior Boys English Debate | **March 2021** |