# Aman Kocharekar

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## Education

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| **Pimpri Chinchwad College of Engineering and Research** | *June 2025* |
| Bachelor of Engineering in Computer Engineering | CGPA : 8.68 |
| **City Pride Junior College** | *June 2021* |
| Maharashtra State Board of Secondary and Higher Secondary Education, Pune | Percentage : 90.33 |
| **Vidya Niketan English Medium School, Pimpri** | *June 2019* |
| Maharashtra State Board of Secondary and Higher Secondary Education, Pune | Percentage : 91 |

## Work Experience

**Data Science Intern**                                                                                                   *July 2023 - Present*
Defence Institute of Advanced Technology, Defence Research and Development Organisation(DRDO)          Pune, India

- Delivered multiple presentations on various topics, including different **clustering methodologies, UMAP**, and **deep learning** models, showcasing the ability to communicate complex ideas effectively.
- Constructed a **next word predictor using LSTM**, with an accuracy of **80+**, highlighting proficiency in **natural language processing and deep learning**, while enhancing language modeling and predictive text capabilities.
- Designed and executed a comprehensive clustering project generating results for various types of clustering algorithms like **K-Means, DBScan and Hierarchical clustering.**
- Built a **Fraud Detection** system focuses to highlight suspicious and fraudulent activities using **Logistic Regression and Random Forests** with **85+ accuracy**.

## Projects

**Web Scrapper | Github**
An application which can scraps the real time reviews of any product on Flipkart.

- Developed a **Flask** application enabling users to search for products on **Flipkart** and access product reviews.
- Implemented BeautifulSoup to parse HTML data from Flipkart website, extracting review data with **95 percent accuracy**; stored results in a CSV file and showcased them on a user-friendly web UI.
- Techstack – HTML, CSS, Javascript, Flask, requests, bs4, jsonify.

**Kisan Samartha | Github**
Empowering Indian farmers, connecting customers, and promoting sustainable agriculture through tool rentals.

- Developed a user-friendly website that allows farmers to **lend** their **equipment and sell products directly to customers**, bypassing intermediaries and earning higher profits.
- Improved website usability, streamlining navigation and delivering essential information to empower farmers, leading to a **40%** uptick in their capacity to lease agricultural machinery and market their produce.
- Techstack – HTML, CSS, Javascript, NodeJs, MySQL.

## Voluntary Experience

**VPOC(Volunteer Point of Contact)** | GDSC WOW Pune                                                       *Feb 2023 - Apr 2023*

- Managed a team of **20 volunteers** as VPOC for GDSC Wow, a citywide event in Pune, overseeing **registration** and **distribution** of materials to over 1000 participants.

**Executive** | Google Developer Students Club, PCCOER                                                     *Sep 2022 - Jul 2023*

- Organized GDSC club activities to help new students learn **Flutter**, **Google Cloud**, **Firebase**, and **Android Compose** helping 100+ students.

**Technical Team** | Association for Computing Machinery, PCCOER                                           *Sep 2022 - Jul 2023*

- **Planned and executed** a 3-round tech event with **50+ participants** as part of the organizing team for "Bro Code" under our college's technical fest.

## Skills

**Programming Languages** | Python, Java, C, C++
*Web Development* | HTML, CSS, JavaScript, Bootstrap,SQL
*Machine Learning* | Linear Regression, Logistic Regression, Decision Trees, Random Forests, KNN, KMeans, Hierarchical Clustering, DBSCAN, PCA, t-SNE,UMAP,SVM
*Deep Learning* | Artificial Neural Networks, Convolutional Neural Networks, Recurrent Neural Network, LSTM
*Natural Language Processing* | n-gram, LSTM
*Git and Github* | Version Control