

Utkarsh Ravindra Rane

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[Portfolio](#)



[GitHub](#)

Career Objective

I'm a B.Tech IT student at PCCOE with a passion for technology and problem-solving. I enjoy working with programming languages like Java and C, exploring how Operating Systems and Computer Networks work, and applying what I learn to real-world challenges. I thrive in team environments, where my quick decision-making and dedication help bring ideas to life. I'm always looking for opportunities to grow, contribute, and make a positive impact through my skills and hard work.

Education

- Bachelors of Technology – Information Technology
Pimpri Chinchwad College of Engineering, Pune
Savitribai Phule Pune University
2022 - 2026
Percentage – 69.35
- Higher Secondary Certificate
Savitribai Phule Junior College, Nagpur
Maharashtra State Board of Secondary and Higher Secondary Education
2021 - 2022
Percentage – 89.0
- Senior Secondary Certificate
Aragami Convent School C.B.S.E., Wardha
Central Board of Secondary Education
2019 – 2020
Percentage – 84.0

Projects

- SynchroBeats – Collaborative Music Streaming** [January 2023 – March 2023]
Skills used: Java Programming, JavaFX, Socket Programming, Exception Handling
A Java-based application that allows multiple users to listen to music in perfect sync over a network. One user acts as the host, streaming audio through a JavaFX media player, while connected clients receive synchronized playback commands to ensure everyone hears the song at the same time. The application uses socket programming for real-time communication and integrates FFmpeg for extended media format support. Designed with a user-friendly JavaFX interface, it provides play, pause, and seek controls that are instantly reflected for all participants.
- AutoPredictX** [August 2024 – November 2024]
Skill used: Concepts of Data Science, Machine Learning, Streamlit UI
In this project, a machine learning model was developed using the CatBoost algorithm to predict the prices of used cars. The system leverages advanced gradient boosting techniques to handle categorical data effectively and deliver accurate predictions. By analysing factors such as car age, mileage, brand, and condition, the model provides insights to help users make informed decisions in the used car market.
- ParkEase** [October 2025 – November 2025]
Skill used: AI algorithms
In this project, an AI-based parking system was developed using the A* algorithm to optimize parking space allocation. The system intelligently calculates the shortest path to available parking spots, ensuring efficient navigation and reduced congestion. By integrating AI techniques and heuristic search, the solution improves user convenience while maximizing space utilization.

Technical Skills

- Programming Languages: Python, Java,
- Web Design: HTML, CSS, Bootstrap
- FrameWorks: Streamlit
- Database: SQL, MySQL

Achievements

Problem- Solving:

- [1 ★ Codechef](#)
- [5 ★ HackerRank in Java\(Basic\)](#)
- [80+ Questions on Leetcode](#)

Certifications

- Java DSA by Apna College
- 10-Days Data Science workshop by 3RI Technologies
- Java (Basic) by HackerRank
- PowerBI workshop by OfficeMaster
- Digital Productivity by NIIT Foundation