

# ARCHISHA MULMULAY

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## EDUCATION

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<b>Pune Institute of Computer Technology</b> Bachelor of Engineering	Pune, India Feb 2023
<b>Indira National School</b> Class 10 <sup>th</sup>	Pune, India May 2018
<b>Indira National School</b> Class 12 <sup>th</sup>	Pune, India July 2020

## PROJECTS

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<b>Security System (Smart Home Intercom)</b> <ul style="list-style-type: none"><li>Developed an android app that tracks and alerts about visitors at home/office.</li><li>It has a functionality to send voice notes and messages to visitors and other family members.</li><li>Different accounts can be linked to different devices in the family.</li><li>Deep Convolutional Neural Network is used for detection of faces.</li></ul>	May 22
<b>Traffic Management System (Pothole Detection)</b> <ul style="list-style-type: none"><li>Visualization of potholes by using images from pre-installed cameras.</li><li>Digital image processing used for detection open manholes and potholes.</li><li>Over speeding of vehicle is computed and can alert the driver regarding overspending.</li><li>Predict the traffic at a particular traffic signal.</li></ul>	Dec 22
<b>Asteroid Detection</b> <ul style="list-style-type: none"><li>Analyze the diameter of the asteroid with an AI algorithm.</li><li>Predict the impact of a particular asteroid if nearing to the earth's surface.</li><li>Visualize the orbit of a particular asteroid.</li><li>Astrometrica software which focuses on the measurement of minor bodies in space.</li></ul>	Aug 22
<b>Grading System for Customized Subjective Questions</b> <ul style="list-style-type: none"><li>Uses generative AI for grading a specific question.</li><li>Various categories of questions with a particular weightage</li><li>Grading scale is used to assign grades either on numerical scale or letter grading system.</li><li>Generates meaningful reports and feedback.</li></ul>	Apr 23

## TECHNICAL SKILLS

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**Language:** Python, C++, SQL, HTML, Java, Mongo DB, JavaScript  
**Framework:** Bootstrap (Basic)  
**Developer Tools:** GitHub, VS Code, Visual Studio, PyCharm, Eclipse  
**Libraries:** NumPy, pandas, Matplotlib  
**System:** Windows, Linux

## CERTIFICATIONS/VOLINTEER

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**Machine Learning:** Introduction to Machine Learning and Datamining (Coursera)  
**Full Stack Development:** Complete Full Stack Development (Skill Up)  
Volunteered in Dataquest Organizing a contest revolving around Data Science and Machine Learning

## HOBBIES AND INTREST

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- Skating
- Mandala Art
- Calligraphy
- Reading