# ADITYA SANJAY NAGULPELLI

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## EDUCATION

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| **Indian Institute of Information Technology, Pune** | Pune,Maharashtra |
| *Bachelor of Technology in Computer Science and Engineering(CGPA of 8.00)* | 2021-2025 |
| **Arihant College Of Arts, Commerce and Science** | Pune,Maharashtra |
| *HSC - 91.33%* | 2020-2021 |
| **The Bishop's Co-Ed School, Undri** | Pune,Maharashtra |
| *ICSE - 92.80%* | 2006-2019 |

## WORK EXPERIENCE

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| **Defense Research and Development Organisation (DRDO)** | Jun 2023 – Jul 2023 |
| *Full-Stack Developer* | *Pune,Maharashtra* |

- Collaborated on a full-stack application project using the MEAN (MongoDB, Express.js, Angular, Node.js) stack.
- Played a key role in building and maintaining the frontend and API components.
- Contributed to the development of various features, including real-time communication, user authentication and some crud operations.

## PROJECTS

**Navigating Passenger Contentment: Anticipating Satisfaction and Crafting Effective Airline Surveys**
- Used airline passenger satisfaction data for prediction of satisfaction level after performing all standard dataops.
- Used the ensemble Stacking Classifier of RF and SVM (After comparing various Models) for forward feature selection inorder to reduce number of questions in survey from 22 to 10, without affecting performance.

**Steering Wheel Angle Prediction Using Convolutional Neural Networks**
- Performed EDA, Data Prepossessing, Data Augmentation for Images
- Implemented and compared performance of different CNN models like NVIDIA model, VGG16/19, Alexnet, ResNet5,  etc using Transfer Learning.

**Messaging - Application**
- Engineered a comprehensive MEAN stack web application facilitating messaging functionality.
- Integrated secure login and registration systems to ensure user privacy(hashing) and smooth interaction.

## CERTIFICATIONS

**DevOps,DataOps,MLOps** (Duke University)
- Continuous Integration/Delivery, Containerization, Rust, AWS, Google Cloud, End-toEnd Machine Learning

**Business Analytics** (University of Pennsylvania)
- Accounting Analytics, Customer Analytics, Operations Analytics, People Analytics

**Others -** Python Essential for MLOps, Artificial Intelligence ,Stock Valuation with Comparable Companies(project)
Tesla Stock Price Prediction using Facebook Prophet (project), Student Ambassador for 1stop.ai.

## ACTIVITIES

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| **Entrepreneurship Cell** | Pune,Maharashtra |
| *Marketing Associate* | 2021-2022 |

- Proficiently orchestrated Ideathon'22 and E-Summit'21, collaborating closely with a team of over 70 members.
- Curated partnerships with Wafflery and Redbull, securing their participation as featured stalls for Ideathon'22.

## AWARDS

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| **National Science Talent Search Examination (NSTSE)** | Pune,Maharashtra |
| *Pune District Gold Medalist recognition.* | 2020-2021 |

## ADDITIONAL

**Used To::** Python, C/C++, Data Structures, Algorithms, Pytorch, Tensorflow, Keras, Scikit-Learn, Power BI,, Angular,Unix/Linux, Java, Javascript, NodeJS ,MongoDB, Express

**CourseWork:** Artificial Intelligence, Database Management Systems, Object Oriented Programming, Computer Networks

**Extra-Curricular:** Football, Trekking, Rock Climbing