# ARYAN MUNDRA

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## EDUCATION

- **B. E (Computer Science) – 9.35/10 (CGPA)**                    **2019 - 2023**
  Vidyalankar Institute of Technology, Mumbai University, Mumbai, Maharashtra, India

## PROFESIONAL EXPERIENCE

**Reliance Jio Platform Limited, Mumbai, India**                **October 2023 – Present**
**Job Role - GET Engineer**

- Developing web applications using Angular and React frameworks to deliver dynamic and user-friendly interfaces.

## STARTUP EXPERIENCE

**Founder - Jewelxa (E-commerce Startup)**                        **2020 – 2022**
- Founded and successfully managed the e-commerce startup "Jewelxa" during college, specializing in the online sale of imitation jewelry.
- Developed the website from scratch using Python and Django then deployed it on AWS Servers.
- Net Revenue – 670 k INR
- The site is live at www.jewelxa.co.in

## INTERNSHIPS

**Azure Skynet Solutions Pvt. LTD | Android App Development Intern**       **April 2023 – May 2023**
- Developed expertise in Android app development using Flutter and Dart programming languages, gaining a strong grasp of essential app components.
- Designed and built a real-time current location tracking app, incorporating user-friendly features for location tracking, mapping, and interactions, ensuring a functional and engaging user experience. View Certificate

**Growth Ninja | Machine learning Intern**                        **October 2022 – December 2022**
- Worked on the development of an Article Recommendation System using Python and machine learning technologies, including TensorFlow and Scikit-learn.
- Focused on designing and implementing an advanced recommendation algorithm to improve user engagement and optimize content discovery. View Certificate

**Technophilia Solutions | Web developer intern**                **March 2022 – June 2022**
- Participated in the development of an e-commerce website.
- Gained insights into the integration of online payment systems within e-commerce platforms.

**Vidyalankar Institute of Technology | Web developer Intern**       **June 2021 – August 2021**
- Created a website for the college canteen, enabling pre-ordering of food to reduce lunchtime queues using Python and Django.
- Managed the project's entire lifecycle, including design, development, and testing, ensuring efficient food order placement and quick pickups for students. View Certificate

**SNT Creation | Web developer Intern**                        **April 2019 – May 2021**
- Played a pivotal role in the development of the company's e-commerce website.
- Designed and implemented an online billing system tailored for wholesale goods.
- Expanded company reach via Amazon Seller and Flipkart Seller platforms.

## PROJECTS

**Title: CookSnap Cuisine**                                                  **June 2023 – August 2023**

**Technologies Used: Flutter, Dart, Flask REST framework, Firebase, CNN**

- Developed the 'Pocket Recipe' application, this innovative solution employs a Convolutional Neural Network (CNN) to generate detailed cooking recipes from food images.
- Users can simply upload an image, and the system recognizes ingredients and provides step-by-step cooking instructions. View Code

**Title: HealthCure: AI-Powered Disease Detection Platform**     **March 2023 – April 2023**

**Algorithms used: Convolutional Neural Networks, XGBoost, Random Forest**

- HealthCure is an AI-powered medical solution that detects seven major diseases, such as CNNs for pneumonia, covid and Alzheimer detection, XGBoost for heart disease detection, and random forests for breast cancer and Diabetes detection.
- This project uses Python and Flask on the backend to enhance the user experience. View Code

**Title: Grocery Rush**                                                    **November 2022 - Feb 2023**

**Technologies Used: Flutter, Dart, Google Firebase**

- Developed a multi-vendor application to support local grocery store owners in Mumbai, India, who were facing competition from large 10-minute delivery companies.
- Utilized location-based technology to match users with nearby grocery stores, enabling quick deliveries within 10-15 minutes. Created three distinct applications for sellers, users, and a dedicated rider app for efficient product deliveries. View Code

**Title: Parking Space Detector Using Open CV**                 **July 2022 – August 2022**

**Technologies used: Python, Open CV, Computer vision**

- It enables real-time analysis of parking spaces in a video feed, highlighting available and occupied spots, and provides a count of free parking spaces. The system also allows dynamic adjustment of image processing parameters using trackbars for improved accuracy. View Code

**Title: Movie recommender Using Mahine Learning**            **March 2022 – April 2022**

**Technologies used: Python, Django, NumPy, SciPy, Pandas**

- The recommender system is implemented as a Django web application. Users can sign up for an account and rate movies. The system then uses the user ratings to generate personalized recommendations. The recommendations are displayed on the user's profile page. View Code

## PAPER PRESENTATIONS / RESEARCH PUBLICATIONS

- **Enhancing Mental Health Care: A Proposed Approach for Depression Detection using CNN and LSTM Model -** Accepted in IEEE GCITC (Global Conference on Information Technologies and Communications) 2023.                            **Aug 2023 – Oct 2023**
- **PAWnnect: Pioneering IoT-ML Driven Pet Monitoring** - Accepted in Springer ICTSES (Intelligent Computing Techniques for Smart Energy Systems) 2023.     **Aug 2023 – Oct 2023**
- **Ecommerce Multi-vendor Application** - Published in IJSREM (International Journal of Scientific Research in Engineering and Management), Volume 07, Issue 05.     **May 2023**
- **Cyber Threat Analysis using Machine Learning Technique -** Published in IRJMETS (International Research Journal of Modernization in Engineering Technology and Science), Volume 05, Issue 02.                                       **Feb 2023**

## SKILLS

- **Languages:** Java, C++, Python, JavaScript | **Databases:** MYSQL, PostgreSQL
- **Machine Learning:** NumPy, Pandas, TensorFlow, Scikit-Learn, Keras, Matplotlib and Seaborn
- **Cloud Services:** Amazon Web Services (AWS) | **Development:** Flutter, React, Django, Angular

## TECHNICAL CERTIFICATIONS AND ACTIVITIES

- "CS50" by Harvard University on edX and "AI for Everyone" by IBM on edX.
- "Analysis of Algorithms" by Princeton University and "Machine Learning with Apache Spark" by IBM on Coursera, Full Stack Development with React & Node.js by GeeksforGeeks.
- Member of the Computer Society of India, VIT, and core member of the student council at VIT