

Ninad Ingale

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An enthusiastic IT professional with excellent academics and a team player looking for the right opportunity in information technology field to demonstrate the skills, contribute and grow with the organisation.

EDUCATION

MSc in Electronic and Computer Engineering (Merit), University of Birmingham, Sept.2021 – Sept.2022

- Modules: Introductory Module for Computer Engineering, Digital Design, Software and Systems, Advanced Project, Computer and Communication Networks, Small Embedded Systems, Sensing and Control for Autonomous Systems.
- Research Project: "On-demand Microdroplets production using Machine Learning assisted systems"
 - Purpose of this research was to produce and figure out the size of microdroplets utilising concept of Microfluidics and combination of hand pump technique coupled with machine learning and computer vision
 - Computer vision technology is used to assess the images taken by the Raspberry Pi camera to pinpoint the size or diameter of the microdroplets. Machine Learning methods like image classification and object detection have been used to identify the microdroplets from an image and trigger the stepper motor's movement.

Bachelor of Electronic Engg., Mumbai University, (GPA: 7.08/10) Aug. 2016 -Nov.2020

- Research project: "Arduino Uno based Hand Gesture Control of Laptop".
 - To control media playing and tab switching on a laptop, a hand gesture control system is used in conjunction with an Arduino Uno, ultrasonic sensors, and the computer.
 - Its goal is to make employing input devices and basic motions to communicate with computers easier.

IT SKILLS

Operating Systems: Windows, Linux, Chrome OS, Debian, MacOS.

Programming languages: Python, C, SQL, MATLAB programming, VHDL, JavaScript, Bash Script, MicroPython

Web Technologies: React, Node, Django, Ruby on Rails.

Cloud Platform: Microsoft Azure, Google Cloud Platform, Amazon Web Services.

Software and Tools: Matlab, Firebase, Tensorflow, Docker, Kubernetes, Helm, Terraform, Ansible, .NET Framework, Git.

Subject Knowledge: Internet of Things, Cyber Security, Cloud Security, Networking, Natural Language Processing, Linux, Amazon Web Services, Image processing, Machine Learning, Artificial Intelligence, Cryptography, Neural Networks, Computer Vision, Cloud Computing, Security, Virtualisation, Bug testing.

PROFESSIONAL EXPERIENCE:

Lifeline Protect Limited: CRM Administrator, Coventry Dec. 2022 – till date

- Address ad hoc questions from Senior Management Team and Directors.
- Organize the CRM systems for all users, including the insurance and mortgage teams.
- Maintain user accounts, create reports and dashboards, manage processes, and administrative activities.
- Provide training to staff to keep them up to date with the CRM.

Reliance Jio Infocomm Limited: Student Intern, Navi Mumbai June 2018 – July 2018

- Completed an internship and a project titled "Long Term Evolution (LTE) and Voice Over LTE".
- Leaned 5G technology while collaborating with a team of system engineers, embedded firmware technicians

Other Projects:

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| • Built chatbot using IBM Watson: | Artificial Intelligence NLP Chatbot |
| • Stock Price Prediction using Machine Learning and Python: | Python Machine Learning Data Analysis |
| • Face+Eye Detection using Python and OpenCV: | Python Computer Vision OpenCV |

ACHIEVEMENTS AND EXTRA-CURRICULAR ACTIVITIES

- Document technology related articles on the Hashnode website.
- Won the top place at Technical Project Presentation at Technozon-2K18 by designing two smart electronic projects. One was a Smart Parking system and Security System based on Arduino and programmed in C programming.
- Competed in Microsoft Azure Developer League, GoogleCloudReady Facilitator Program (2021&2022), etc.