

# Muhammed Abdullah Shaikh

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## EDUCATION

### VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY

B.TECH. IN ELECTRICAL AND ELECTRONICS ENGINEERING  
Expected May 2023

## SKILLS

### PROGRAMMING AND TOOLS

PROGRAMMING LANGUAGES:

• C • Python • Java • Matlab

WEB DEVELOPMENT:

• HTML • CSS • Flask • JS

TOOLS:

• Pandas • Pytorch • Matplotlib  
• SQL • NumPy  
• Android Studio • Git  
• Fusion 360

## COURSEWORK

### ACADEMIC

- CSL210 Data Structures
- ECL207 Digital Circuits
- EEL203 Electrical Machines-1
- IDD401 Introduction to Entrepreneurship
- ECL206 Electronic Devices & Circuits
- EEL202 Signal & Systems
- EEL201 Network Theory

### MOOC

- Convolutional Neural Networks [\[verify\]](#)
- Neural Networks and Deep Learning [\[verify\]](#)
- Python for Everybody Specialization [\[verify\]](#)
- SQL for Data Science [\[verify\]](#)
- CS50's Introduction to Computer Science [\[verify\]](#)

## OPEN SOURCE CONTRIBUTION

- IvLabs Research Paper Notes [\[Link\]](#)
- IvLabs Resources [\[Link\]](#)

## EXPERIENCE

### FREELANCE DEVELOPER

ACCENTURE

Jan – Feb 2021

- Visualized data and performed Exploratory Data Analysis.
- Assisted with data analysis using Pandas, Matplotlib, scikit-learn and Seaborn.

### INTERN

RAHMANI EXCELLENCE PROGRAM

Aug – Oct 2020

- Developed a framework using Python and SQL for automated student data collection and analysis.
- Automated the pipeline to update the latest records and report analyzed data.

### SUMMER RESEARCH INTERN

IVLABS

May – Aug 2020

- Implemented the fundamentals of Object Oriented Programming paradigms using Java.
- Studied the workings and applications of multiple sensors for air quality detection.
- Deployed Computer Networking protocols, including TCP/UDP using socket programming on an android application.
- Built various android applications, including a Firebase Powered real-time chat app.

## PROJECTS

### FACE UNLOCK

IVLABS

[Github](#)

Feb - Jun 2021

- Developed a Face-recognition software for a contact-free door unlock system.
- Implemented Siamese Networks and FaceNet models with ResNet based backbones.
- Achieved 81.4% accuracy on the Labelled Faces in the Wild dataset.

### SPEECH CONTROLLED ASSISTANT

[Github](#)

- Built an Android application for smart classroom environments.
- Integrated speech commands for various actions using Google's Speech Recognition API.
- Developed the backend using the Volley Android library for managing HTTP requests.
- Deployed in real-time using the Bolt WiFi Module.

## EXTRA CURRICULAR ACTIVITIES

- Academic Department(Electrical) Representative. Jul 2021-Present
- GitHub Maintainer of IvLabs, VNIT organization. Jun 2021-Present
- Speaker at Programming with Python Workshop under IEEE VNIT Student Branch. Feb 2021
- Equipment Coordinator at National Solar Vehicle Challenge. Feb 2020
- Event Coordinator in Aarohi, VNIT's Annual Cultural Fest. Oct 2019