

# Parth Samnani

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## EDUCATION

### BITS PILANI

B.E. ELECTRICAL & ELECTRONICS

2017-2021 | Pilani, India

### BITS PILANI

MINOR IN FINANCE

2017-2021 | Pilani, India

### NAVRACHANA SAMA

Grad. March 2017 | Vadodara, India

## LINKS

Website:// [parthsamnani.com](http://parthsamnani.com)

Github:// [ParthSamnani](https://github.com/ParthSamnani)

LinkedIn:// [parth-samnani](https://www.linkedin.com/in/parth-samnani)

## COURSEWORK

### UNDERGRADUATE

Data Structures and Algorithms

Object Oriented Programming

Database Management Systems

Operating Systems

Probability and Statistics

Digital Image Processing

Optimization

## SKILLS

### PROGRAMMING

- Dart • Application Development
- JavaScript • ReactJS • KnexJS
- Python • Data Science
- PostgreSQL • GraphQL • MongoDB
- Java • C • C++ • MATLAB
- Version Control • Git
- Google Cloud • Firebase

Familiar:

- Android • iOS
- NodeJS • Django

## EXTRACURRICULAR

- **President** • Safety and Medical Advisory Council, BITS Pilani | 2020-2021
- **Joint Coordinator** • Department of External Affairs, BITS Pilani | 2019-2020
- **President** • Student Council, Navrachana Sama | 2016-2017

## EXPERIENCE

### ARUDITO | ENGINEER

Mar 2020 - Mar 2021 | India

- Built an application for students that aims to be the one-stop solution for all their academic content needs.
- Hired and headed a team of 2 interns in Engineering and 4 interns in the Content team. Worked alongside a founder and co-founder.
- Reached a **1000+ installs** from BITS Pilani in **3 days**. Further expanded to BITS Goa, BITS Hyderabad, IIT Bombay, and IIT Kharagpur. Currently **3500+ users**.
- Arudito Application -> **Android, iOS, and Web**.
- Understood the life-cycle of a subject on the Arudito application and automated the subject upload flow thereby reducing upload time from 1 week to 1 day and subsequently to 1 hour -> **Arudito Uploader Application**.
- **Tech Stack** : Dart, Flutter, GraphQL, JavaScript/KnexJS, PostgreSQL, GCloud.

### LOGIQ LABS | SOFTWARE DEVELOPMENT INTERN

July 2020 - Dec 2020 | Bangalore, India

- **eCourierz Mobile Application**.
- Built an **application** allowing the company's clients to manage their daily shipments to thousands of customers domestically and internationally.
- Acted as the sole project executor. Primary focus of the app was a shipping calculator, shipment booking flow, and an in-app wallet.
- **1000+ installs** in 1 week.
- **Shipment Duty and Tax Calculator Application**.
- Coded a stand-alone web application for sellers shipping internationally
- App was to be embedded in an iframe element of an existing website.
- **Tech Stack** : Dart, Flutter, Postman.

### SAMSUNG RESEARCH INSTITUTE | SOFTWARE ENGINEERING INTERN

May 2020 - June 2020 | Delhi, India

- **Handwriting Recognition Web Application**.
- Deployed a neural network model onto a web-application.
- **Neural Network**
- Accepted Sentence Inputs, trained on the IAM Dataset.
- 5 CNNs, 2 RNNs, CTC Loss and Decoding Layers
- **Web Application**
- Accepted input via uploaded image and canvas drawings
- **Tech Stack** : ReactJS, Python/Django.

## RESEARCH

### BITS PILANI | RESEARCHER

Jan 2020 - May 2020 | Pilani, India

- Worked under **Ankush Jahagirdhar** to implement **ACROA**, the Artificial Chemical Reaction Optimization Algorithm using Python.
- Implemented Model Predictive Control in a Photo-Voltaic cell array for Maximum Power Point Tracking under **Ankush Jahagirdhar** using MATLAB.

## AWARDS

2020	1 <sup>st</sup> /40	DesertHack Hackathon
2020	top 30/2500	HackTheCrisisIndia Hackathon
2015	top 2500/300000	National Talent Search Examination Fellow