

# Purvash Baghele

purveshkb@gmail.com

## EDUCATION

### TU DELFT

MSC IN DATA SCIENCE AND  
TECHNOLOGY

2019 - Present | Delft

### SHRI RAMDEOBABA COLLEGE OF ENGINEERING AND MAN- AGEMENT

B.E IN COMPUTER SCIENCE AND  
ENGINEERING

May 2019 | Nagpur, India

## LINKS

Website:

<https://purveshbaghele.github.io/>

Github:

<https://github.com/PurvashBaghele>

LinkedIn:

<www.linkedin.com/in/purvashbaghele>

## SKILLS

### PROGRAMMING LANGUAGES

C, Java, Python, R, Scala, SQL,  
HTML/CSS, Javascript

### BIG DATA & MACHINE LEARNING

Spark, Python(scikit-learn, keras,  
numpy, matplotlib)

### DATA SCIENCE & MISCELLANEOUS TECHNOLOGIES

Data science pipeline (cleaning,  
wrangling, visualization, modeling,  
interpretation), OOP, Git, d3.js

## RELEVANT

## COURSEWORK

### DATA SCIENCE/ ML

AI Techniques, Data Visualisation,  
Supercomputing for Big Data, Data  
Analysis in Complex Networks

### CYBERSECURITY

Security & Cryptography, Cyber Data  
Analytics

### HUMAN COMPUTER INTERACTION

Crowd computing, Socio-cognitive  
engineering

## EXPERIENCE

### ING | RESEARCH INTERN

September 2020 - Present | Amsterdam & The Hague

- Conducting a user study which tries to understand data scientists' use of machine learning model interpretation tools like SHAP and GAMs.
- Includes conducting interviews and contextual inquiries for qualitative analysis and questionnaires for quantitative analysis.

### TU DELFT | TEACHING ASSISTANT

September 2020 - February 2021 | Delft

- Worked as a lab assistant for the master course Web Science and Engineering.
- Assisted students in understanding the tasks of assignments along with designing and grading the assignments.

### AEGON, X!DELFT | SERIOUS PENSION GAME CHALLENGE

November 2019 - February 2020 | Delft & The Hague

- Developed a card game which persuades young adults into thinking about their pension from early life.
- Was involved in designing game mechanics, creating prototypes, and manuals.
- Developed soft skills such as communication, expectation management, and team work.

## PROJECTS

### OBJECT DETECTION FOR SELF-DRIVING CARS

January 2019 - April 2019 | Nagpur, India

- Acquired training data using Udacity self-driving car simulator, filtered the data and used it to prepare a model which works on the principle of behavioural cloning and then used that model to simulate a self-driving car in a virtual environment.
- Used TensorFlow's Object Detection API to detect objects on the road in the game GTA V.

### STATE-WISE WEEKLY ELECTRICAL LOAD FORECASTER - A WEB APP

February 2018 - April 2018 | Nagpur, India

- Designed a long short-term memory neural network in Python that predicts weekly load demand based on historical data.
- Designed a minimalist web app using HTML, CSS and flask in python

### SOLAR POWER ANALYZER -AN ANDROID APP

August 2017 - November 2017 | Nagpur, India

- Developed seller and user profile making interface with database storage in Google's Firebase.
- Scraped meteorological data from NASA's website using JSoup.
- Used this data to build an app that gives an estimate of how much energy a solar plant will produce given the installation area and location.

## ACHIEVEMENTS

2018    Finalist    Smart India Hackathon  
Project idea : State-wise weekly load prediction,  
Ministry of Power, India.