

# V. Akshy Kumar

● Targeting an entry level software engineering position ●

## Education

### B.E, Mechanical Engineering

MNM Jain Engineering College, Chennai  
Graduated on Sept 2020

### Higher Secondary Course

Jawahar Higher Secondary School, Chennai  
Graduated on March 2016

## Project Experience

- |                                  |   |
|----------------------------------|---|
| <b>2021</b><br><i>Chennai</i>    | <b>Mock-up e-commerce application</b><br>Designed a standalone mock e-commerce website. Running with a Ruby backend and Ember frontend. The example explores models, controllers, rest-api and authentication.  |
| <b>2021</b><br><i>Chennai</i>    | <b>Simple Airbnb mockup</b><br>Started with ember tutorial and later built Google map API to test out different functionalities   |
| <b>2020</b><br><i>Chennai</i>    | <b>Solar Air Preheater - Design and Analysis Project (Final year)</b><br>Final year project of fabrication and analysis of a thermal heat exchanger for preheating grains for silos storage. It involved dual convection using sunlight as its only source of power |
| <b>2019</b><br><i>Chennai</i>    | <b>Carving duplicator - Design and Fabrication Project</b><br>Junior year D&F project involved manufacturing of a carving duplicator, an affordable mechanism proposed for large scale carving of wood and soft objects from a given template                       |
| <b>2017</b><br><i>Chennai</i>    | <b>SAE Conference Paper - Digital Manufacturing</b><br>Won the second place for a paper on state of the art Digital Manufacturing in SAE 2017   |
| <b>2017</b><br><i>Coimbatore</i> | <b>E-bike for RIDE2k17 - 2017</b><br>Designed and manufactured an electric motorcycle for the state level event.  |

## Technical Skills

- Programming tools: Python, Ruby on Rails, Ember, MySQL
- Design Softwares: AutoCAD, ANSYS

## Internships, Inplant training and Industrial visits

- In plant training at *Brakes India private Ltd* (3 weeks) and *C.V.R.D.E, Avadi* (2 weeks)
- Internship in *TI Diamond cutters*, Ambattur (2 weeks at belt conveyor manufacturing)
- Industrial visits to Kalpakkam Nuclear Power Plant, Seyyar Sugar Factory & Diamond Group of Industries