

# Jithendran Adikesavan

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<https://jithendran-adikesavan.github.io>

Computer science engineer interested in designing and developing software curious about machine learning, distributed computing and its potential use in socially sensible apps; With strong capabilities in data engineering and developing numerically intensive algorithms including Algebra, Statistics and Probability with a professional experience of 3 years; Currently pursuing a postgraduate degree in the University of Sheffield, UK

## EDUCATION

### Master of Science (M.S.)

Sep 2022 - Sep 2023 (Expected)

Advanced Computer Science,  
*University of Sheffield, UK, Sheffield, UK*

### Bachelor of Technology (B.Tech.)

Jul 2015 - May 2019

Computer Science and Engineering,  
*SASTRA Deemed University, Thanjavur, INDIA*

### High School Diploma

Jun 2001 - Apr 2015

*Shrishti School, Vellore, INDIA*

## EXPERIENCE

### Junior Data Scientist

May 2019 - Jun 2022

*Gyandata Pvt Ltd, Chennai, INDIA*

- Member of the development team while delivering applications to key clients in engineering industries (refrigeration, solar power plant, supply-chain management)
- Mentored Python-101 training program responsible for preparing new hires of the company

### Intern

Dec 2018 - May 2019

*SASTRA TBI, Thanjavur, INDIA*

- Worked on developing an e-Catalogue for the sale of automotive parts with the ability to image search helping in reducing lookup time
- Submitted the report as my dissertation project for my graduation

## PROJECTS

### Predictive Maintenance of HVAC Systems

May 2019 - Aug 2020

Member of the Application Development team responsible for data extraction and consolidation to perform initial data analyses along with exposure to the complete development lifecycle including local and cloud deployments of the product developed in Python (using Flask) and jQuery

### Design & Implementation of Solar Power Plant

Mar 2022 - June 2022

Python Developer of the application used in the design and implementation of a solar power plant optimising the placement of panels to extract maximum renewable energy  
Responsible for delivering a prototype in Python (using Panel)

### AI in Supply Chain Management

Jul 2021 - June 2022

Lead Developer for an application used in predicting procurement quantity ensuring optimal inventory with the concepts of supply chain management and machine learning Responsible for delivering and deploying the AI app developed in Python (using Flask) and jQuery

## PUBLICATIONS

**Diabetic Retinopathy Detection using Deep Learning Techniques** Mar 2020  
Published in the [Journal of Computer Science](#)

**Emotion Recognition on E-Learning Community to Improve the Learning Outcomes Using Machine Learning Concepts: A Pilot Study** Oct 2019  
Presented the paper at SSIC Conference which was later published in [Springer](#)

## SKILLS

### PROGRAMMING SKILLS

Python, SQL, Java, C++, HTML, CSS, Kotlin, jQuery

### TECHNICAL SKILLS

Application Development, Relational Databases, Machine Learning, Android, git, Object Orientated Programming, Linux, Hadoop

### SOFT SKILLS

Organization, Analytical Thinking, Adaptability, Time Management, Active Listening, Problem Solving

### LANGUAGE SKILLS

Tamil - Native Speaker, English - C2 in IELTS, Hindi - Ability to read and understand

## COURSES

**Introduction to Deep Learning** 2021  
*IIT Goa and Delhi*

**Introduction to Neurohacking in R** 2018  
*Coursera*

**Programming, Data Structures and Algorithms in Python** 2017  
*NPTEL*

**Introduction to Modern Application Development** 2017  
*NPTEL*

## HONORS & AWARDS

**HackSheffield7** 2022  
*Member of the team which secured the 1st prize in the hackathon organized by the Sheffield Computer Society*

**Dean's List Scholarship** 2016  
*SASTRA Deemed University*  
For securing a position in the top 2% of the UG batch in terms of academic performance

**Best Outgoing Student** 2015  
*Shrishti School*

## EXTRA-CURRICULAR ACTIVITIES

Member of University Handball Team @ SASTRA Deemed University  
Member of NSS @ SASTRA Deemed University  
Stewarding @ Sheffield Wednesday Football Club