

# Arut Selvan Dhanasekaran

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## EDUCATION

### ARIZONA STATE UNIVERSITY

#### MASTER'S IN COMPUTER SCIENCE

GPA: 4.00/4.00 with Distinction

Dec 2022 | Tempe, AZ

### NIT TRICHY

#### BTECH IN ELECTRONICS AND COMMUNICATION

#### MINOR IN COMPUTER SCIENCE

May 2019 | Tiruchirappalli, India

## LINKS

Github:// [arutselvan](#)

LinkedIn:// [arutselvan](#)

## COURSEWORK

### GRADUATE

Distributed Software Development

Distributed Database Systems

Foundations of Algorithms

Natural Language Processing

Semantic Web Mining

Mobile Computing

Software requirements and spec.

Human Computer Interaction

Data Mining

Knowledge Representation and Reasoning

### UNDERGRADUATE

Data Structures and Algorithms

Operating Systems

Database Management Systems

Software Engineering

Artificial Neural Networks

## SKILLS

### PROGRAMMING

Over 10000 lines:

Python • JavaScript

Over 1000 lines:

Java • C/C++ • PHP

Familiar (Over 500 lines):

Bash • Ansible • Rust

### FRAMEWORKS AND TOOLS

Django • ReactJS • MySQL

MongoDB • Spring • Git

## VOLUNTEERING

- Developed User Interface for **Sahapedia.org** as a part of the Force for Good initiative by JPMorgan Chase & Co.

## EXPERIENCE

### SERVICENOW | IC2 SOFTWARE ENGINEER

Feb 2023 - Present | San Francisco, CA

- Working on adding modules support for ServiceNow platform development
- Developed high performant autocompletion feature for ServiceNow Scriptable APIs and table fields for the platform's Monaco based script editor

### SERVICENOW | PLATFORM SOFTWARE ENGINEER INTERN

May 2022 - Aug 2022 | Aug 2022 - Dec 2022 (Part-time) | Santa Clara, CA

- Worked with the core platform team on the execution of Javascript scripts in Java Runtime Environment using SWC transpiler and Rhino JavaScript engine.

### JPMORGAN CHASE & CO | SOFTWARE ENGINEER II - DATA ENGG.

July 2019 - August 2021 | Bangalore, India

- Designed and developed a unified monitoring solution for the firm's encryption infrastructure using **Python(Django)**, **Java(Spring)**, **MongoDB**, and **ReactJS**.
- Designed an automation flow for encryption of data in NAS.
- Developed microservices for automation of encryption and decryption of AIX and Windows file systems using **Python** and **Ansible**.

### JPMORGAN CHASE & CO | TECHNOLOGY ANALYST INTERN

May 2018 - July 2018 | Bangalore, India

- Developed & tested RESTful APIs to automate the provisioning of Load Balancers using **Django** which reduced the time of provisioning by 96%.

### DELTA FORCE | STUDENT DEVELOPER

August 2016 - May 2019 | Tiruchirappalli, India

- Developed RESTful APIs with RFID integration for management of college fests which have an average participation of 4000+ students using **PHP (Laravel)**
- Led a team of 7 engineers to develop Pragyan Premier League, an algorithmically simulated virtual cricket game using **Node JS** and **ReactJS**

## PROJECTS

### BLOOM [VIEW PROJECT]

- Developed an effective learning solution based on Bloom's taxonomy using Python leveraging on a custom built NLP engine.
- Won 2<sup>nd</sup> place in the Singapore-India Hackathon 2018.**

### SEVEN [VIEW PROJECT]

- The app suggests restaurants based on top dishes, reactions and sentiment score extracted using NLP on user reviews from Zomato.
- Winner of Software AG API hackathon 2017**

### REACT FULLSCREEN SLIDESHOW [VIEW SOURCE]

- Developed an open source React npm package for a fullscreen slideshow (embedded gallery) component - **3000+ downloads on npm.**

### BENCHMARKING GENERALIZATION VIA IN-CONTEXT INSTRUCTIONS [VIEW PREPRINT]

- A paper on Natural Language instruction tasks to facilitate the generalization of models to a variety of unseen tasks.

## AWARDS

2022	1 <sup>st</sup> /40	ServiceNow Intern Hackathon 2022
2018	2 <sup>nd</sup> /40	Singapore India Hackathon 2018
2017	1 <sup>st</sup> /30	Software AG API Hackathon 2017
2015	3 <sup>rd</sup>	Google Startup Weekend 2015