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 + TypeScript
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 perfomant autocompletion feature for ServiceNow Scriptable APIs using auto generated **TypeScript** declarations for the platform's 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 2nd 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 Paper]
- Co-author of a paper on Natural Language instruction tasks to facilitate the generalization of models to a variety of unseen tasks.

AWARDS

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