# Arun Singh Sivaprakash

## Full Stack Developer

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#### **PROFILE**

Experienced Full Stack Software Engineer with 5 years of expertise in software development. Holds a master's degree in AI and proficient in React, JavaScript, Typescript for front-end, and Python, Nodejs, ExpressJS, FastAPI, GraphQL for back-end development. Skilled in deploying applications with Docker and Kubernetes. Experienced in building and deploying ML Models. Available and ready to join your team.

### PROFESSIONAL EXPERIENCE

## Full Stack Developer VINCI Energies, France

Paris, France Nov 2021 - June 2023

- Designed and developed a web app to address company's sourcing requirements in France using data from SAP ERP and open data from government[INSEE Fr]. App is build with React, JavaScript, MaterialUI, FastAPI, Python and deployed the application in a Cloud Server.
- Experienced in Backend Development with a focus on connecting multiple data sources using Python and skilled at creating REST APIs using FastAPI, Django and PostgreSQL for efficient database management.
- Build User Interface(UI) using JavaScript, React, Material UI and secured the application with SSO Integration and SSL termination using Nginx with domain names and SSL certificates.
- Experienced in deployment strategies using Docker, Kubernetes, Gitlab and visualization using ELK(Kibana) and server monitoring using Node exporter, Prometheus and Grafana.
- Build a API using FastAPI and Python that fetches real time stock quantity from suppliers
  product information API endpoint as functional enhancement for a in-house B2B Procurement
  Tool.
- Build a 'API Aggregator' using Python and Streamlit to collect and combine product data from multiple supplier REST APIs. Extracted essential information from JSON responses and stored it in a centralized database.
- Experienced in building analytical dashboards in SAP Cloud Business Intelligence platform to visualize Suppliers Purchase orders histories and Purchase invoices details across different Poles and Business units and countries.
- Build and deployed a multi-class classification ML model that effectively classifies purchase family classes with 89 percent accuracy and deployed it using Docker and FastAPI in production.

## Machine Learning Engineer PRODAPT Solutions, India

Chennai, India May 2019 - September 2020

- Explored image classification tasks and investigated the feasibility of implementing Deep Learning on on-premise Linux servers. Aimed to minimize costs associated with cloud operations.
- Involved in Chat bot development project called 'PROBOT' framework 'RASA' and python which was integrated with Microsoft teams to automate and streamline employees day to day activities like time sheet logging etc.

- Experienced in Micro services Architecture using Docker and Kubernetes for seamless production deployment, ensuring efficient integration and reliable performance.
- Analysed large Service Desk tickets data using Pandas, Matplotlib, Seaborn libraries and Python to extract critical data points that helped in making more informed decision-making within the team.
- Experienced in Building CI CD pipelines using Apache Airflow, GitLab, Docker and AWS Elastic Container Service (Amazon ECS).

## Associate Software Engineer ACCENTURE, India

Chennai, India Nov 2016 - Mar 2018

- Worked as a consultant for US bank 'FirstData' on quality assurance for financial transactions, involved in analysing transaction records from Client's POS (Point of sale) Machines.
- Running Test Cases in HP Tandem Non-stop Server and querying MySQL to interrupt the results against Client requirements.

#### **EDUCATION**

EPITA - Ecole pour l'informatique et les techniques avancées, Paris, France Sep 2020 - Sep 2021

Master of Computer Science - Artificial Intelligence AI

Diploma in Data Science, Great Lakes Insitute, Chennai, India Bachelor in Engineering, Anna University, Chennai, India Oct 2018 - May 2019 Aug 2012 - Apr 2016

## Medium Posts

GraphQL vs. REST: A Complete Guide to Modern API Development August 2023 Link https://medium.com/@arunsinghmailid/graphql-vs-rest-a-complete-guide-to-modern-apidevelopment-a86409037b15

Medium All Posts https://medium.com/@arunsinghmailid

### TECHNICAL SUMMARY

Python, JavaScript

HTML, CSS, TypeScript, NodeJs. React, ExpressJs

Machine Learning

FastAPI, PostgreSQL, GraphQL

Docker, Kubernetes

SAP, GCP

DevOps, GIT, GITLAB

### **LANGUAGES**

English Advanced

French Intermediate