



Vinoth Kumar

Senior Software Engineer



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 Tiruttani, Tamil-Nadu, India

 <https://6gvinoth.github.io>

Seasoned Python developer with a strong foundation in Django and Flask frameworks, backed by over 5+ years of industry experience.

Skilled in architecting software solutions, optimizing code efficiency, and collaborating effectively across interdisciplinary teams to achieve project goals.

AREAS OF EXPERTISE

Programming Language - Python
Framework - Django, Flask, RestAPI, FastAPI
Stack - Pandas, NLTK, Web crawler, Celery, Selenium, Requests, Supervisor, Redis
JS - JavaScript, JQuery
DB - MySQL, MongoDB
SCM - GitHub, GitLab, Bitbucket
Automation Tools: Docker
Monitoring Tool: Datadog, Kibana
Dashboard: Metabase, Periscope
Chart: Matplotlib, Plotly
Web Server: Nginx
Application Server: Unicorn

EDUCATION

MCA
ANNA UNIVERSITY
2015 – 2018 | Chennai-Guindy
CGPA : 8

EXPERIENCE (5 YEARS 6 MONTHS)

Senior Software Engineer

ADF Data Science Pvt. Ltd. · Oct 2021 - Present

- Lead and develop 2 successful projects, meeting all requirements and deadlines.
- Mentored and trained 3 interns and 2 junior developers, fostering a high performing team.
- Automated critical manual processes with a focus on optimization, resulting in significant time savings and elevated levels of customer support.

Software Engineer

ADF Data Science Pvt. Ltd. · Mar 2020 - Sep 2021

- Introduced celery background job to make the application faster.
- Created application for build document into html/pdf version.
- Resolved production issues and managed project requirements effectively.
- Integrated React into an existing Django application to enhance the user interface experience

Python Developer

Laserbeam Software. Jul 2018 - 30 Sep

- Developed Restful Web API's using python (Restful Web Service) to make Predictive Analysis using Flask, MongoDB and SQL
- Developed Multi-Tenant in Python Application
- Auto column mapping using NLTK
- Easy screen recruitment application using NLTK
- Developed dashboards using Metabase for data visualization

PROJECTS DETAILS

Online Loan Application Platform

ADF Data Science Pvt. Ltd.

Jan 2021 - Present

- is a fintech company that leverages data science and technology to provide responsible credit access to underserved American consumers.
- ADF Product that enables US citizens to conveniently access loans online.
- Skillfully managed and designed over 50 finance-related requirements, integrating various 3rd party services for enhanced functionality.
- Addressed any production issues by immediately identifying the root cause and providing a hot fix.
- Provided technical support to the business team for treating impacted customers

Technology:

Django, DjangoCMS, MySQL, JavaScript, JQuery, Gulp, Docker, Nginx, Unicorn, npm, nodejs

Team Size: 20 Project Status: On going

Campaign Email Trigger Application

ADF Data Science Pvt. Ltd.

Aug 2019 - Dec 2020

- Played a key role in designing and developing an application to send emails to customers.
- Collaborated with the ML team to obtain customer lists, applied filters to determine eligible customers, and sent emails accordingly.
- Utilized FastAPI to create APIs for data loading and email triggering.

BCA

Christ College

2012 – 2015 | Chennai-Kilachery

CGPA: 7.7

HSC

Dr.Radha krishnan Hr.Sec.School

2011 – 2012 | Tiruttani

Percentage : 50%

SSLC

Govt Hr.Sec.School

2009 – 2010 | Chivvada

Percentage : 77%



CERTIFICATES

Python for Data Science

An online non-credit course authorized by IBM and offered through Coursera

Introduction to MongoDB

An online non-credit course authorized by MongoDB Inc. and offered through Coursera



HACKATHON

Won 2nd Prize in ADF Technology Hackathon.



PERSONAL DETAILS

Fathers Name: Gopal G

DOB: 27-05-1995

Gender: Male

Marital Status: Single

Blood Group: AB+ve

Language Known: English, Tamil

Language Speak: Telugu

Nationality: Indian

Strengths: Fast Learner, Hard worker,

Enthusiastic worker in a team, and

Leadership.

Hobby: Cricket, Gym

Technology:

FastAPI, Mysql, Pandas, Plotly, Nginx, Unicorn

Team Size: 18 Project Status: On going

Docgen Application

ADF Data Science Pvt. Ltd.

Mar 2019 - Aug 2019

- Created an application to build dynamic HTML and PDF documents.
- Developed HTML templates for loan agreements, terms and conditions, and other documents; the application feeds customer data into these templates to generate documents in HTML and PDF formats.
- Ensured the application is generic and does not contain any business logic.
- Implemented version control for the templates within the application.

Technology:

Flask, Mysql, Boto3, Jinja2

Team Size: 21 Project Status: On going

Compass Analytics

Laserbeam Software Solutions

July 2018 – Sep 2019

- Laserbeam has a product called Compensation Management, which is already developed in the .NET framework. To support analytics, we created a Flask application. This Flask application is helpful for creating metrics reports and forecasts.
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- The data science team will develop models, and our goal is to create APIs that get model responses and send them back to the UI to generate graphs.

Technology: Flask, Mysql, MongoDB, Google Chart

Team Size: 10 Project Status: On going

Internal Utility Applications

Developed various internal applications to enhance daily team efficiency

Server Status Dashboard

- Created an application to monitor the status of multiple servers in the testing environment, used across various teams in the organization.
- Consolidated server deployment details, including branch information, into a single dashboard, eliminating the need for manual checks.
- Integrated Git and Jira details into the dashboard for comprehensive status updates, reducing the need for testers to connect to development servers.

Technology: FastAPI, Paramiko, Jira, Bootstrap

S3 Download Tool

- Developed a Windows application to search and download multiple files from S3 buckets, as the team does not have direct access to the AWS console.
- Enabled the team to easily verify loan contract documents stored in S3 locations, significantly reducing round-trip time and improving efficiency.
- Addressed the limitation of the AWS console by providing a feature for multiple file downloads.

Technology: Python, Tkinter, Boto3