

NAME : TAMILARASANT
DEGREE : Bachelor of Engineering

Father's name	Thavamani S	Contact Address
Gender	Male	7/6, V.O.C Street,
Date of Birth	29th July 1995	Kumarasamypet,
Languages known	Tamil and English	Dharmapuri- 636 701
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SUMMARY

Full stack developer over 2+ years of industrial experience in Designing, Development, Deployment and maintenance of web apps based on and Django-Python. Professional Web Apps development experience using Django and Flask inclusive of experience in UI using JavaScript, Angular 6. Developed Views and Templates with Django view controller and template language to create an easily accessible website interfaces.

ACADEMIC RECORD

Course	Institute	Board/ University	Mark (%)/ CGPA	Completion By
B.E (Biomedical)	PSG College of Technology - Coimbatore	Anna University	6.0	2017
Diploma (ECE)	Konghu Velalar Polytechnic College - Perundhurai	DOTe	96.74	2014
XII	Vidhyaa Vikas Boys Hr. Sec School - Trichengode	State Board	55	2012
X	Meenakshi Sundaranar Sengunthar Hr. Sec School - Erode	State Board	82	2010

WORK EXPERIENCE

1. Web Developer

Uzitronics Software Solution - July 2017 to November 2018.

Description: Uzitronics is a professionally managed firm, actively involved in providing web application development services in and around Dharmapuri (Tamil Nadu, India). Our team of designers and app developers liaises with clients to find out their exact requirements and accordingly create a user friendly and more interactive web app.

Responsibilities:

- Developed Views and Templates with Django View, Controller and template language to create a user friendly website interface.
- Configured the Django admin site, dashboard and created a custom Django dashboard for end users with custom look and feel.
- Used data types like dictionaries, tuples and Object Oriented Concepts based inheritance features for making complex algorithms of networks.

- Designed and developed the User Interface of the website using HTML, AJAX, CSS and JavaScript.
- Automated image optimization using Grunt and minified JavaScript and CSS, which reduced page load time.
- Designed and managed API system deployment using fast http Server and AWS architecture.
- Worked on Python Open Stack API's.
- Carried out various mathematical operations for calculation purpose using Python libraries.
- Managed large datasets using Panda data frames and MySQL.
- Worked with JSON based REST Web Services.
- Performed testing using Django's Test Module.
- Creating unit test / regression test framework for working / new code.

Environment:

Python, Java, MySQL, CSS, HTML, JavaScript and Windows.

2. Trainee

AVAAP IT Solutions Private Limited - November 2018 to October 2019.

Description: Avaap is a provider of IT services and solutions for organizations that use EHR and Infor ERP enterprise software applications. As the fastest growing and largest IT services and software solution firm focused on EHR and Infor ERP, Avaap serves more than 300 customers.

Responsibilities:

- Involved in building database model, API's and Views utilizing Python in order to build an interactive web based solution.
- Used Python for XML, JSON processing, data exchange and business logic implementation.
- Created User Interface using JavaScript, HTML and CSS.
- Involved in the analysis, design and development and testing phases of software development life cycle (SDLC).
- Designed and developed data management system using Mango DB.
- Used Python scripts to update the content in database and manipulate files.
- Scheduling tasks on windows task scheduler to run the Python scripts to generate reports for frequent interval and also send email alerts.
- Increased speed and memory efficiency by implementing code migration to convert Python code to C / C++ using Cython.

Environment:

Python, XML, MySQL, CSS, HTML, JavaScript and Windows.

TECHNICAL SKILLS

- Programming Language : Python, Java, C++
- Framework and Libraries : Django, Flask, Pandas, Numpy, Scipy, Matplotlib, Tkinter
- Databases : SQLite, MySQL
- Web Technologies : XML, CSS, HTML, JavaScript, MVC 3, AJAX, Angular 6
- Development Tools : Visual Studio, Python IDLE, PyCharm, Eclipse, Jupyter Notebook

ACADEMIC PROJECTS

- **“Gate Level Control System in Dam”**:-Controlling the dam gate level automatically based on the water level in both the dam and the run –path (river).
- **“Wearable Activity Tracker”**:- Calculate the level of calories burnt while a man involved in activities like walking, running, and jogging.
- **“Pain Monitoring”**:- Assessing pain in children during surgery. The ECG signal features will vary with respect to pain and stress. By extracting features from ECG signal and classifying those features using Machine learning algorithms.
- **“Non-invasive Blood Glucose Monitoring”**:- Measure the Blood Glucose levels without drawing blood, puncturing the skin, or causing pain or trauma.

CURRICULAR ACTIVITIES

TRAINING

- Completed advanced training in Python (Version 3.6) at Besant Technologies, Bengaluru from June to July, 2018.
- Completed advanced training in Angular 6 and JavaScript at Crackerjack, Bengaluru from March to May, 2018.

INTERSHIP TRAINING

- BSNL Plant, Erode: Had an internship program in BSNL Plant which helped me to understand about basic mobile communication layer protocol and fixed line protocols.

ACTIVITIES

- Participated in the Hands on training workshop **“Orthopedic Applications in Biomedical Engineering”** conducted by Department of Biomedical Engineering at PSG College of Technology on 26th and 27th August 2016.
- Participated in the workshop **“Data Analytic Tools and Programming (Hands-on)”**, conducted by Department of Biomedical Engineering at PSG College of Technology on 23th and 24th July 2016.
- Participated in the workshop **“Biomedical Equipment Maintenance”**, conducted by Department of Biomedical Engineering at PSG College of Technology on 18th to 20th July 2016.
- Participated in the workshop **“Android App Development Using MIT App Inventor”**, conducted by Department of Biomedical Engineering at PSG College of Technology on 16th and 17th July 2016.

- Participated in the workshop “**Virtual Instrumentation for Biomedical Applications**”, conducted by Department of Biomedical Engineering at PSG College of Technology on 16th to 18th June 2016.
- Participated in the workshop “**Computer Hardware Workshop**”, conducted by Department of Electronics and Communication Engineering at Konghu Velalar Polytechnic College on 8th March 2014.

PERSONAL COMPETENCY

- Good in Coordinating with people
- Good communication skills
- Willingness to learn and adapt to new technology
- Ability to work under pressure
- Self-Motivation and Quick learner
- Ability to balance workloads efficiently

HOBBIES

- Playing cricket
- Listening to songs

DECLARATION

I, **TAMILARASAN T**, do hereby confirm that the information given above is true to the best of my knowledge.

Place :

Date :

(TAMILARASAN T)