

## Kalaichitra Rangasamy

Email: [reach.kalaichitra@gmail.com](mailto:reach.kalaichitra@gmail.com)

Location: Austin, Texas

LinkedIn: <https://www.linkedin.com/in/kalaichitra-rangasamy/>

### Professional Summary:

- Data-driven and detail-oriented analyst with 15 months of experience in Numpy Ninja and overall of 10+ years of experience in IT
- Skilled in gathering, analyzing and interpreting large data sets to provide insights and support decision-making.
- Proficient in **Tableau, Power BI, SQL, Python** and other programming languages.
- Good experience with cloud platforms like Microsoft Azure.
- Experience in writing queries, Stored Procedures, views and functions in **MySQL** and **PostgreSQL** databases.
- Experience working in both waterfall and Agile software methodologies.
- Experience in using Version Control Systems like **Git**.
- Enthusiastically managed **multiple deadlines** with priorities through proactively planning and managing tasks and resources.
- With a passion for solving complex problems, I am eager to further implement my skills and improve my data analysis experience.

### Professional Development and Certifications:

- Microsoft Azure Fundamentals (AZ-900)
- Microsoft Azure Data Fundamentals (DP-900)
- Google Data Analytics Professional Certificate
- Google IT Automation with Python Professional Certificate

### Educational Qualifications:

- Bachelor of Computer Science, Anna University, India

### Technical Skills:

<b>Languages</b>	Python, C#, .NET, SQL, PL/SQL.
<b>IDE's</b>	PyCharm, Visual Studio Code, Visual Studio 2018
<b>Databases</b>	MySQL, PostgreSQL
<b>Version Controls</b>	Git
<b>Operating Systems</b>	MS Windows, Linux/Unix
<b>Bug Tracking Tools</b>	JIRA
<b>Methodologies</b>	Agile, Scrum, Waterfall

### Professional Experience:

Company: Numpy Ninja

Nov 2023 – Till date

Role: Data Analyst

### Cerebrovascular Disease in Elderly with Diabetes

- Analyzed and consolidated data for various groups of clinical testing results like MRI markers, lab tests and cognitive tests using Power BI and discovered that the patients with ineffective diabetes management have 70% of higher risk for cognitive impairment and cardiovascular disease. More than 90% of the patients develop hypertension.

**Tools Used:** PowerBI

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### **Early Prediction of Sepsis from ICU Data**

- Conducted an in-depth analysis of a large dataset containing 1.5 million rows using Tableau and PostgreSQL to determine the incidence of Sepsis.
- Identified the patients transitioning to the SIRS(Systemic Inflammatory Response Syndrome) stage of Sepsis using vitals - HR, temperature, Respiration, and clinical parameters - PaCo2 and WBC and enabled the option of sending e-mail alerts to doctors for timely intervention.
- Involved in the process of implementing Agile Methodology using Scrum.

**Tools Used:** Tableau

### **EDA(Short-term Sprints)**

- EDA was conducted to find the Mental Health impact of the survey respondents during COVID.

**Tools Used:** PowerBI, Tableau

- EDA was conducted on ORCHID dataset to increase transplant opportunities for patients by enhancing the procurement process.

**Tools Used:** Tableau, Python

**Company:** Infosys Technologies Ltd, Bangalore India

**Jan 2012 – March 2016**

**Role:** Technology Analyst

### **Responsibilities:**

- Development and Unit Testing using Visual Studio.
- Worked on Windows Presentation Foundation and Windows Communication Foundation.
- Build and Deployment using TFS.
- Participated in code and design reviews. Code review was done using TFS.
- Automation of deployment using a client authorized tool.
- Involved in requirement gathering and analysis.
- Identified modules causing slowness in the plugin and fixed the issues.
- Coordinated with multiple vendors from geographically distributed teams for a successful development, testing and deployment of multiple modules in the project.
- Coordinated multiple release efforts with zero defects in production.
- Created web applications using ASP.NET MVC and SQL server.

**Environment:** ASP.NET, C#, Microsoft SQL Server, IIS, Visual Studio, REST API.

**Employer:** HCL Technologies Ltd, Chennai India

**Jun 2007 – Oct 2011**

**Role:** Lead Engineer

### **Responsibilities:**

- Designing, developing, testing and deploying the internal web applications.
- Responsible for database design, frontend and backend design for the applications and developing the same.
- Worked with multiple cross functional teams for requirement gathering and analysis.
- Involved in design and development of the database schema for multiple web applications handling huge volumes of data.

**Environment:** C#, ASP.NET, ADO.NET, JavaScript, HTML, Visual Studio 2005, SQL Server 2005 and Windows XP