

N Nathamayil

📍 Chennai, India ✉ nathamayil@gmail.com

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🐙 nathamayil 🖱 <https://nathamayil.github.io/>

Education

B.Tech Computer Science and Engineering,

VIT University

2019 – present | Chennai, India

CGPA : 8.75

AISSCE - Class 12 (CBSE),

Sri Sankara Senior Secondary School

2019 | Chennai, India

91.6%

AISSE - Class 10 (CBSE),

Sri Sankara Senior Secondary School

2017 | Chennai, India

10 CGPA

Skills

Data Structures and Algorithms (C/C++, Java, Python),

Data Analytics and Visualization (Python, Tableau, R),

Web and App Development (HTML, CSS, JavaScript, Bootstrap, JSON, Flutter, NodeJS, React JS),

Database Management (MySQL, SQLite, PHP, Firebase),

Digital Designing (UI/UX, Illustrator, Photoshop, Canva),

Languages (English, French(A2), Japanese, Tamil, Hindi),

Team Management and Leadership (Leading teams, working with associates and connections)

Organizations

The English Literary Association, VIT Chennai,

General Secretary

04/2022 – present | Chennai, India

TEDxVITChennai, Graphic Designer

09/2021 – 04/2022 | Chennai, India

Interests

Chess, Art

Professional Experience

SDE Intern, JP Morgan Chase and Co

06/2022 – 08/2022 | Bengaluru, India

Publications

Learning Analytics: Game-based Learning for Programming Course in Higher Education,

Procedia Computer Science, Elsevier, WEEF 2019 2020

Projects

Fake or Real News Detection, Using Python

Training various models using NLP to differentiate between fake and real news from a given news dataset

Car Comfort and Safety System,

Using Node RED, MQTT and Thingsboard

Regulating car temperatures and windshields by analyzing the current weather conditions, while also tracking the safety of the owner through GPS

Prediction of Air Pollution Deaths in Various Countries, Using Python and Tableau

Predicting the pollution levels with the help of existing data and the factors behind air pollution and its constituents.

AI based multi-level Arduino security system,

Using Arduino, Open CV, Google Text-to-Speech Convertor and Telegram API

Designed and developed a device that could provide three level security, involving an emergency alert system through telegram and with an accuracy of 95% for facial recognition.

Symposium, a Conference Management Portal,

Using HTTP, JavaScript and PHP

A website that helps bring together conveners, authors and reviewers and provides them with a platform to conduct a conference with ease. Developed using SCRUM development process.

Allergen Detection System,

Using Python's OpenCV and iPyWidgets

Analyzing and helping the users to identify related allergens and the food items containing it

Social Network Analysis of Game of Thrones,

Using Gephi

Analysis of the social network of characters in the popular show to identify the connections and its importance in the show.

Movie Recommendation System, Using Python

Processing big data and recommending movies based on genres of the movies already watched by the user.