

Sujay Sathya

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EXPERIENCE

SOLARILLION FOUNDATIONS | RESEARCH ASSISTANT

JAN 2020 – Current | Chennai, TN

- Supported research and development efforts to create new products, equipment and processes.
- Summarised search results by preparing written reports, graphs, fact sheets and tables.

PAN ASIAN HEALTH SYSTEMS PVT. LTD BACK-END

DEVELOPER

Aug 2019 | Chennai, TN

- worked in the back-end development of a web application which is used to aid doctors in remote parts of India, diagnose and manage 'Acute Pancreatitis'.
- Developed RESTFUL API for all the data transfer operations required for the application.
- Complete and functional database setup was developed.
- Used data retrieval techniques and performed manipulation on the same to provide appropriate diagnosis for acute pancreatitis.

PROJECTS

BUNK BOT | PYTHON BOT THAT ATTENDS MEETINGS FOR YOU

JUL 2020 – Present | Chennai, TN

- This bot gets the meeting ID of your meeting from Google Docs and opens Google Meet and logs in on your behalf.
- Speech Recognition is used to identify whether name is being called out during and the bot automatically types a common reply in the chatbox.
- Image Processing is used to convert all the messages in the chatbox into an array of strings and uses some string manipulation techniques to find the most common phrase most of the students said and type it in the chat box.
- 325 stars, 30 forks, 150 plus clones and 30000 views on github

ENIG MATRIX | A SMART SECURITY SYSTEM BUILT USING

ARDUINO AND RASPBERRY PI

Mar 2020 – Present | Chennai, TN

- Uses a modified face recognition algorithm to reduce computation time by 50 percent.
- Zero storage required for the camera.

FLIGHT DELAY PREDICTION | A MACHINE LEARNING PIPELINE TO DETECT THE DELAY IN FLIGHTS

FEB 2020 – JUL 2020 | Chennai, TN

- Used a two-step process using two common machine learning tasks such as regression and classification. We try and classify whether a given flight will be delayed or not and then use regression techniques to find out the precise delay.
- predicted arrival delay considering the weather parameters at the departure airport

EDUCATION

SSN COLLEGE OF ENGINEERING

BACHELORS OF ENGINEERING IN
COMPUTER SCIENCE AND
ENGINEERING

Expected Apr 2022

CGPA: 8.7

SKILLS

PROGRAMMING

4+ years:

- Python • C
- C++ • HTML • SQL

2+ years:

- Java • Verilog • Mongo DB
- Java Script

ADDITIONAL

COURSEWORK

Machine Learning A-Z

Deep Learning A-Z

Pandas Boot-camp

Diploma in social media marketing

SOCIETIES

Association for Computing Machinery (ACM)

Tech club SNU

Robotics club

EXTRA CURRICULAR

24 awards in 26 MUNs

2 time Best Speaker in ISDS

Multiple trophies playing football

Multiple overall victories in Cultural

LINKS

Github:// [sujaysathya](#)