

SHUKRITHI RATHNA

COMPUTER SCIENCE ENGINEER | CONTENT WRITER



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ABOUT

Aspiring data scientist, AI enthusiast and content writer, looking for a technical role in Data Science & ML. Keen on designing clean, usable and aesthetically pleasing computer interfaces. Proficient in programming and problem solving with excellent communication skills and leadership qualities.

PROJECTS

Popularity Based Music Recommender System using ML

- Recommendations based on Item-Based and User-Based Collaborative Filtering.
- Popularity trend predictions & interactive visualizations using ML.

Peak Tracking Application

- Mini application (dashboard) that displays various stats related to peak tracking of sensor data using Python.

System Log File Monitoring and Analysis (Python).

- Designed Python tool with interactive dashboard which monitors and assesses log files generated using data analysis.
- Gives summary of performance and reports system malfunctions and errors.

Statistical (Descriptive and Predictive) Analytics Package (Python).

- EDA, descriptive analytics, pre-processing and cleaning of data.
- Predictive analytics with focus on Frequent Item-set Mining, ML algorithms (Classification, Clustering).

BBTAN Game (Android Application).

- Developed a modified version of the popular android game BBTAN using JavaScript and Android Studio.

Wireframe/UI Design for Medical Software

- Designed a wireframe for software used in the medical industry as well as by patients.
- Designed an interface that improves functionality, usability and accessibility while following HCI principles.

INTERNSHIPS

Software Intern - Checktronix Pvt. Ltd. [May-Oct, 2020]

- Responsible for containerization and deployment of existing software application using Docker.
- Performed feasibility study for containerizing stateful applications and vendor management in a container.

Content Writing and Marketing - Sukraa Software Solutions, Pvt. Ltd. [May-July, 2019]

- Responsible for the marketing of an e-commerce website & blog selling organic and wellness products and for curating product descriptions.

C programming - Kibin Technologies, Pvt. Ltd. [May-June, 2017]

- Designed, developed and optimised C code for better performance and code maintainability, testing and debugging, troubleshooting, application support, etc.

SKILLS

Languages - Python, C/C++, MySQL, Bash

Tools & Technologies - Git, Linux, Docker

Web Dev - HTML5, CSS, JavaScript

Technical Writing - Latex, Markdown

CERTIFICATIONS

NPTEL

Data Science - IITM

Deep Learning - IITM

Machine Learning - IITM

Statistical Inference - IITD

Coursera

HTML, CSS, and Javascript

- Johns Hopkins University

Introduction to Docker: Build Your Own Portfolio Site (Project)

EdX

HCI - Fundamentals and Design Principles

HCI - Ethics, Needfinding and Prototyping

HCI - Evaluation, Agile Methods & Beyond

- Georgia Tech University

ESOL (Cambridge University)

PET, FCE, CAE - Merit, Grade A

Certified in Karate and Archery

EDUCATION

BTech + MTech Computer Science [2016-2021]

Indian Institute of Information Technology, Design and
Manufacturing, Kancheepuram
CGPA - 7.85

Chennai Public School

AISSCE - 96.2% (481/500) [2016]
AISSE - CGPA 10/10 [2014]
100% in English (Class 12)
School Topper Science Stream (Class 12)

ACHIEVEMENTS

Content Team Head - Samgatha
(Intercollege Fest)

Content Writer - Institute
website and newsletter

Coordinator- Placements, Drama
Club

AWARDS

Ms CPS 2016

Head Girl, CPS [2014-15]

Best Outgoing Student Secondary
[2009 - 2014]

Inspire Award [2010-11], Dept of
Science & Technology, Govt. Of
India

U.S President's Award (Gold) for
Educational Excellence (2009).