Deep Rane

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EDUCATION

Stevens Institute of Technology, Hoboken, NJ — Expected 05 /2022
Master of Science in Information Systems. **GPA:** 3.89

University of Mumbai, India — 07 /2019
Bachelor of Engineering in Computer Engineering
Coursework: Data Warehousing and Business Intelligence, Data Analytics and Machine Learning, Web Programming

SKILLS

Languages/Technologies: JavaScript, Python, HTML, CSS, Handlebars, Node.js, ES6
Libraries: Express.js, Axios.js, jQuery.js, NumPy, Pandas, Matplotlib
Productivity Tools: Jupyter**,** Tableau, Excel, Familiar with Signavio and DISCO
Databases: SQL, MongoDB
Soft Skills: Critical Thinking, Adaptability, Collaboration, Desire to Learn, Public Speaking

EXPERIENCE

Essential Tech, Mumbai, India — 05/2020 – 07/2020
Data Engineer
- Assisted in formulating an appointment SaaS, yLine.in, to help reduce crowds and promote social distancing using Node.js, PostgreSQL, AWS' S3 storage and EC2 Compute engine
- Reduced crowding and physical contact by 50% by implementing QR scanning module
- Conceptualized a complete relational schema using dimensional modelling and building a data warehouse to oversee multiuser environment in a densely populated region

Cmykantic Marketing Pvt. Ltd., Mumbai, India — 08/2019 – 11/2019
Business Development and Web Development Intern
- Developed and implemented 4 websites using JavaScript, HTML and Bootstrap with robust SEO leading to a 70% increase in reach for client companies
- Increased revenue by 10% QoQ for 9 small and medium business clients by mapping new software features as solutions to business goals
- Devised a solution model on an existing business model by implementing an analysis and prediction model on historical data to identify the shortcomings in the business processes

ACADEMIC PROJECTS

Stevens Institute of Technology — 11/ 2020
Tumor Analysis and Regrowth Detection (Python)
- Developed an analysis model utilizing **Jupyter Notebook** to track regrowth of a tumor based on its physical characteristics with precision of 95%
- Researched different parameters of tumors to define multiple metrics for its analysis
- Benchmarked multitude of algorithms to cluster and categorize different characteristics based on the data acquired with a runtime of 54 seconds

University of Mumbai — 09/2018 – 03/2019
Cinematic Camera Rover using Raspberry Pi
- Led a team of 3 to build a rover with the purpose of low-angle, stable and precise videos, and photographs for cinematography in remote places
- Developed a simple and interactive User Interface with JavaScript, HTML**,** Handlebars and CSS to control the movements of the rover and capture images and videos.
- Created a JavaScript backend to easily manage Python commands with the help of IPC, and applied image stitching to obtain accurate photos and videos applying OpenCV and Python

ACTIVITIES

Stevens Institute of Technology
President, Indian Graduate Student Association — 09/2020-Present

University of Mumbai
President of Decision Committee, Annual TechFest — 08/2017-07/2018

Available May 2021