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EDUCATION

Masters in Machine Learning

Sept 2022- Present

Stevens Institute of Technology

Coursework: Applied Machine Learning, Artificial Intelligence, Machine Learning: Fundamentals and Applications

Bachelors in Computer Science and Engineering

GPA- (2.6/4.0)

Aug 2017- Jul 2021

Alliance University, Bangalore

Coursework: Engineering Mathematics (Probability, Statistics, Calculus), Data Mining and Data Warehousing, Scripting Languages, Big Data Analytics

EXPERIENCE

Backend Developer, Freelancing

Oct 2021 - Jun 2022

Backend and Internal tools (Web-App) developer for Small business.

- Collaborated with businesses and crafted applications that are tailored to their individual needs to enhance their business.
- Built using Django web framework, applications are scalable and responsive, fit for very heavy workloads and majority of devices.
- Reinforced with custom User and Admin Authentication, the applications are secured cryptographically using PBKDF2 encryption.

Back-end Intern, Quichub Innovations LLP, Bengaluru

Sep 2020 - Nov 2020

Quichub is a technology company offering consumer health solutions.

- Developed 'MyResQR' - an emergency response platform to use if a certain individual met an accident.
- Programmed an SOS button that alerts emergency contacts to the user. Django Rest Framework was used.
- Enabled automated calling and text messaging via Exotel API for contact with victims or respondents.

Research Intern, National Institute of Technology, Rourkela

Jun 2019 - Jul 2019

NIT Rourkela is a University of National Importance for technical education in India.

- Learned and worked upon the recommendation algorithms in Python for collaborative filtering over Netflix Movie Database.
- Performed Collaborative filtering algorithm on movie dataset for learning and prediction for user recommendation.

TECHNICAL SKILLS

Proficient: Python 3.x, Core Java, MySQL, SQLite, Flask web framework, Django, Django Rest Framework, Bootstrap

Intermediate: C++, MongoDB, JavaScript, CSS. AWS (EC2, RDS)

Novice: AWS (LightSail, S3, SNS, SES), Docker

PROJECTS

Sales Rewards Manager (Freelancing)

Apr 2022

- Created and Deployed a Rewards Manager Application using Django for tracking sales made by a particular sales representative.
- On a successful Sale, the salesperson would receive points depending on sale.
- SMS (using AWS SNS Service) will be sent to the salesperson upon every successful transaction.
- The Web-App is hosted on AWS via Elastic Beanstalk.

Project Management and Quality control (Freelancing)

Oct 2021 - Mar 2022

- Created a Project management application in using Django for an Interior Design Company.
- The aim is to manage ongoing projects along with providing timely updates to the client on the progress.
- Create and send Billing estimates (Estimated cost incur) and create/share site inspection report among the team members.
- Deployed on AWS Elastic Beanstalk with a RDS MySQL database.

Fantastic Computing Machine

Dec 2020 - Jun 2021

- Created a SaaS Platform on Python using Flask framework to dynamically deploy Machine Learning Models.
- Teamed with two friends and managed the development of the platform.
- Provide users with a sharable link for the community to interact with the model.
- Implemented version control for the users to manage and maintain the previous models.
- Deployed the platform on AWS EC2 using dockerized Nginx and the platform.
- Using the Google OAuth service, I designed an end-to-end user authentication mechanism and saved the data in a session.

TECHNICAL CERTIFICATIONS/PUBLICATIONS/PAPERS

- Contributed a book chapter entitled “Text Mining Approach Based on TF-IDF and SVM for Text Classification” for the book **Latest Innovation for Future Education**(LIFE-2021) published by ESN Publications, **Jan 2021- ISBN: 978-81-947019-0-3.**
- Introduction to TensorFlow for AI, ML, and Deep Learning- Coursera (deeplearning.ai), **Jun 2020**
- Structuring Machine Learning Projects- Coursera (deeplearning.ai), **May 2020**
- Python Data Structures- Coursera (deeplearning.ai), **May 2020**
- Data Visualization- Coursera (University of Illinois at Urbana-Champaign), May 2020
- Data Warehouse Concepts, Design and Data Integration- Coursera (University of Colorado), May 2020
- Java Programming: Solving Problems with Software- Coursera (Duke University), May 2020
- Neural Networks and Deep Learning- Coursera (deeplearning.ai), **Apr 2020**
- Machine Learning for All- Coursera (University of London), **Apr 2020**
- Software-Defined Storage Concepts, VMWare, **Jan 2020**
- Presented the project, " Light Following Solar Panel Assist " at interdisciplinary competition 2018 and secured the 2nd position among 100 participants for the Most Innovative Idea- **Dec 2018**

ACTIVITIES AND AWARDS

- Attended the Workshop APIs for Beginners organized by IEEE Computer’s Society, Bangalore, **Jan 2021**
- Attended the Workshop Fundamentals of Image Processing using Python organized by CVM University, Gujarat, **May 2020**
- IEEE Student Member, **Aug 2019 - Jan 2020.**