

SHREEYESH JAYESH CHAUHAN

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EDUCATION

Master's of Information Technology and Management (ITM)

Illinois Institute of Technology, Chicago, IL

Aug 2019 – May 2021

GPA - 3.70/4.00

Bachelor's of Computer Engineering

MIT Academy of Engineering (University of Pune), Pune, India

Aug 2015 – May 2019

GPA - 3.30/4.00

SKILLS

Languages: Java, Python, JavaScript, React, NodeJS, HTML5, CSS3, AngularJS, C/C++, SQL, R, Swift

Tools & Technologies: Amazon Web Service (AWS), Microsoft Azure, Spring Boot, Spring MVC, Django, Kafka, Docker, Kubernetes, Hadoop, Spark, SQL Server, Elastic search, Oracle SQL, MongoDB, NoSQL, MS Access, MySQL, PostgreSQL, Jenkins, Hibernate, DataDog

EXPERIENCES

Illinois Institute of Technology

Chicago, Illinois

Software Developer

June 2020 – May 2021

- Sustaining 6 websites, and handling 8 databases with 60 tables, and a unique collection of educational material of university
- Managed and worked closely on the collaboration of university content related to people, news, events, and academic programs
- Constructed 4 blogs and 2 Newsletters, and file parsing, currently implementing new modules, maintaining and updating existing modules using Java, HTML5, CSS3, JavaScript, Angular, Spring, jQuery, AJAX, REST APIs, JSON, XML, OAuth.

CodePath

Chicago, Illinois

iOS Technical Program Manager

Oct 2020 – April 2021

- The Goal was to provide an opportunity for those who are underrepresented college students in the field of Computer Science to obtain their first SWE Internship by teaching them iOS for free and helping with their resumes
- Participate in intense 6-week training to gain management experience, leadership skills, and technical knowledge to lead a 10-12 week-long iOS remote course with a rigorous curriculum for Spring 2021
- Build apps like movie-getter and recreating Twitter & Instagram. Implemented: Frameworks (WebKit, MapKit), iOS Libraries, Backend (Firebase and Parse), APIs (GraphQL) & Git & deployed on Amazon Web Service Amplify, DynamoDB and AWS EC2.

PROJECTS

Movie Recommendation System (Python, Power BI, Amazon Web Service)

Oct 2020 - Dec 2021

- Recommended Movies to Users Based on Preferences & Likings and Created Personalized Experiences & using on AWS SageMaker
- Developed Popularity Based System, Content-Based Filtering, Collaborative Filtering, & Hybrid System and Power BI Visualize
- Created Matrix Factorization using Single Vector Decomposition to reduce the sparsity and Achieved best Root Mean Square Error (RMSE) at 0.49 for Hybrid System

DriveZy: Cab Ride Booking Web Application (Java, Python, ReactJS, JavaScript, HTML5, CSS3, Git, MySQL, MongoDB)

Aug 2020 – Dec 2020

- Developed a Web Application that allows users to book a ride. Persisted ride-booking transaction and reviews into the database
- Built a Machine Learning Model to predict Ride fare and integrated using FLASK API, and archived 87% accuracy
- Used Google Places API, Google Distance Matrix API to calculate Real-time Distance and ETA (Expected Time of Arrival). Processed, Cleaned, and performed a Data Analysis using the Pandas library

BestDeal: Online Shopping Web Application (Java, Python, AngularJS, JavaScript, HTML5, CSS3, MySQL, MongoDB)

Feb 2020 – April 2020

- Built a fully functional E-Commerce Web app to shop electronic goods and REST APIs for user authentication and updating database
- Showed product-related Top 10 comments, news, tweets leveraging Twitter API. Integrated Google Maps API for Visual Analysis
- Built a Machine Learning model using SVD Algorithm and product reviews data stored in MongoDB to recommend products for user

Hostel Management System (Java, Swing, SQL Server, SnatchBot)

Dec 2019 - April 2020

- Stores and Manage all information of the hostel candidates, make payments, and also integrated Chatbot for candidate support
- Designed Graphical User Interface GUI using Java Swing and integrated MySQL for Database connectivity
- Implemented different validation and Advanced Encryption Standard (AES) 128 bits encrypted for storing payment details

Content-Based Image Retrieval (Java, Python, JavaScript, HTML5, CSS3)

June 2018 - April 2019

- Analyzed the content of the Images using Features Extraction & Classification Algorithm to find Similar Images
- Formulated feature extraction using Discrete Wavelet Transform (DWT) Gabor Filter Algorithm along with Deep Learning Algorithm (Convolutional Neural Network (CNN)) on the CIFAR-10 dataset using TensorFlow, Keras and PyTorch framework
- Discovered additional low-level features which resulted in an accuracy gain from 81.95% to 86.11%
- Initiated Research Paper titled "[Content-Based Image Retrieval using Wavelet Transform](#)" in "Research Journal of Engineering Technology and Management (RJETM)" Journal Volume 2, Issue 1, ISSN: 2583-0028

ACHIEVEMENTS

- Published Survey Paper titled "[Exploring Different Techniques on Content-Based Image Retrieval](#)" in International Journal called "International Journal of Research Advent Technology (IJRAT)" Special Issue, E-ISSN: 2321- 9637
- Top 10% in the course "Fundamentals of Database System" provided by National Programme on Tech. Enhanced Learning (NPTEL) in IIT-Kanpur, India. Certified course "Introduction to Programming with Python" by Microsoft Virtual Academy (MVA)
- Nourished Leadership skills as Event Vice Coordinator in bachelor's college; Managed technical events organized by the college; Volunteered in Child Welfare NGO "Jigyasa", which nurtured my Communication Skills, Management & Presentation Skills