

SOUJANYA CHAVAN

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EDUCATION

University of Southern California Los Angeles, CA
Candidate for Masters of Analytics. August 2024-Present

- Relevant coursework: optimization techniques and Statistics

AP SHAH INSTITUTE OF TECHNOLOGY, Mumbai University India
Bachelor of Computer Engineering May 2020-May 2024
Honors in Artificial Intelligence and Machine Learning

PROFESSIONAL EXPERIENCE

AICTE - EduSkills India
AI-ML Virtual Intern – Supported by AWS Academy December 2022-February 2023

- Learned how to build and train AI models and use AI models in real-world applications
- Gained basic knowledge on how to use AWS resources such as EC2 instances , S3 bucket creation .

AICTE - EduSkills India
Cyber Security Virtual Intern - Supported by Palo-Alto Networks March 2021-May 2022

- Gained hands-on experience with cybersecurity tools and technologies and learned about cybersecurity fundamentals
- Acquired cybersecurity skills such as network handshakes and communication protocols by participating in internship program

ACADEMIC PROJECTS

DATA SCIENCE JOB ANALYSIS WITH SQL Thane, Maharashtra
Self June 2024-August 2024

- Analyzed top-paying jobs in the USA and skills required for leveraging SQL.
- Developed a self-initiated project leveraging **PostgreSQL** and advanced SQL techniques.
- Mastered complex SQL concepts, including **Common Table Expressions (CTEs)** and **Subqueries**.
- Gained deep insights into advanced **SQL querying, data aggregation**, and PostgreSQL capabilities.

PYTHON AUTOMATION Using Airflow on EC2 Los Angeles , CA
Self September 2024-October 2024

- Led the development and deployment of an automated report generation system using **Apache Airflow** on **AWS EC2**, automating daily data collection and report delivery processes.
- Developed efficient **web scraping** and **email automation** pipelines, boosting data accessibility and stakeholder communication.
- Optimized workflows by designing **Airflow DAGs**, ensuring fast, reliable, and scalable report generation processes.
- Achieved a reliable , scalable solution , contributing to enhanced data-driven decision-making processes for end users .

TECHNICAL SKILLS

- Programming languages- HTML, CSS, JAVA, C-sharp | Web Technologies- Flask Framework, Stream-lit
- Software and Methodologies- Alpha-beta software testing, waterfall software model, risk projection
- Software-Adobe Photoshop, adobe premiere pro
- Data Analysis- SQL, PostgreSQL, Big Data Technologies – Databricks , PySpark , Spark and Airflow, Feature Engineering, Data Cleaning and Pre-processing , AWS S3 , Excel.
- Cryptography and System Security: Cryptographic Protocols, Data Encryption, Secure Communication

MEMBERSHIPS

- Volunteered in animal cruelty awareness workshop at local animal care centre, arranged food packets for poor cats and dogs and some aids to centre, January 2023
- Chaired as the Leader of a project based on lumpy virus awareness, done scripting and editing in project, October 2022
- Volunteered in food donation drives held by Rotaract Club by distributing basic food packages to poor children and needy people in November 2022
- Earned Google Cloud Skills Boost badges by Performing Foundational Data, ML, and AI Tasks in Google Cloud, December 2021
- Acted as a General Body Member of the Rotaract Club of Thane East for one year, hosted donation drives, and helped in club service initiatives, 11 May 2020