

NAMIT SHRIVASTAVA

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EXPERIENCE

AI Researcher

Jan 2024 - Jun 2024

Legistify Services Private Limited

Gurugram, India

- Developed and implemented machine learning models using Python, processing 2.4M images with 92% accuracy for logo recognition.
- Utilized SQL for data analysis and preprocessing, improving data extraction efficiency by 85%.
- Collaborated with cross-functional teams to integrate data science solutions, resulting in 30% faster deployment cycles.

Advanced Application Engineering Analyst

Jun 2023 - Jul 2023

Accenture

Bangalore, India

- Led development of predictive models for threat detection, achieving 85% accuracy using advanced ML techniques and SQL.
- Implemented data cleansing and feature engineering processes, improving analysis efficiency by 75%.
- Conducted thorough testing and quality assurance of ML models, reducing incident response time by 80%.

Website Developer

May 2022 - Jul 2022

Indian Red Cross Society

Bangalore, India

- Designed and developed a data analytics platform serving 10,000+ users, incorporating Python-based ML models for volunteer management.
- Optimized database queries and implemented data preprocessing techniques, reducing data retrieval time by 40%.
- Conducted exploratory data analysis and feature selection, achieving 98% code coverage in automated testing frameworks.

EDUCATION

M.S. Survey and Data Science, Data Science track

The University of Maryland, College Park

GPA: 3.86/4.00

2024-2026

B.E. (Hons.), Civil Engineering (Major), Data Science (Minor)

Birla Institute of Technology And Science, Pilani (BITS Pilani)

GPA: 3.36/4.00

2020-2024

PROJECTS

Analyzing Public Perceptions and Sentiments of EVs in the Era of Sustainable Transformation

Aug 2024 - Dec 2024

- Developed a Python-based sentiment analysis model using NLP techniques to analyze 1M+ data points, achieving 92% accuracy in identifying public perception trends.
- Implemented SQL queries for data cleansing and feature engineering, improving model efficiency by 85%.

LEXNet for Internet Traffic Classification – Data Mining

Aug 2023 - Dec 2023

- Designed and trained a CNN model using Python and TensorFlow, achieving 97.8% accuracy in traffic classification while reducing model size by 97%.
- Conducted thorough testing and quality assurance, resulting in 99.9% uptime for the deployed model handling 10K+ requests/hour.

Statistical Analysis and Forecasting of Solar Energy - Applied Statistical Methods

Aug 2022 - Dec 2022

- Developed an ARMA-based forecasting model using Python and SQL, improving prediction accuracy by 18% for 500K+ time-series data points.
- Implemented automated testing frameworks, achieving 98% code coverage and ensuring model reliability.

SKILLS

Technical Skills: Python, Pyspark, R, Azure, Excel, SQL, Tableau, IBM SPSS, Java, Git, Postman, Hadoop, Power BI, ETL Pipeline, Cloud computing, TensorFlow, PyTorch, A/B tests, AWS, MongoDB, Survey Science, Text Mining, Qualtrics

Soft Skills: Creativity, Teamwork, Adaptability, Critical thinking, Self-management

PUBLICATIONS

Achieving Sustainability in Supply Chain during Disruption times: Role of Industry 4.0

Feb 26, 2024

Springer

The demand to digitalize the automotive sector, which entails linking manufacturers to a larger supply chain, is increasing. In the automobile industry, there is a higher requirement for sustainable growth due to rising supply disruption and frequent technology changes. Industry 4.0 can speed up manufacturing, increase customizability, and cut down on setup and lead times. It may result in innovation. The study focuses on establishing a link between Industry 4.0 technologies and green supply chain practices, which will help in achieving sustainability during disruption times. It follows a qualitative survey approach to identify the prominent Industry 4.0 technologies and green supply chain practices using a fuzzy set analytical hierarchy process. The other section uses interpretive structural modelling with a multi-level hierarchical structure to study the cause-and-effect relationship between the final selected Industry 4.0 technologies and GSC practices. The study identifies a strong linkage between Industry 4.0 technologies and green supply chain practices to achieve overall sustainability in the supply chain. The future automotive supply chain should focus on driving Industry 4.0 technologies for effective implementation of green supply chain practices. Also in the Indian automotive sector, government regulation and policies and top management commitment are two key factors for driving sustainability in the Indian automotive supply chain.

POSITION OF RESPONSIBILITY

Teaching Assistant – Environmental Impact Assessment, BITS Pilani

Aug 2023 - Dec 2023

- Assisted in delivering lectures and tutorials to a cohort of 40+ students in environmental engineering.
- Developed engaging PowerPoint presentations on key topics such as organic matter removal and EIA impact reports.
- Graded over 30+ assignments, quizzes, and exams, providing constructive feedback to support student learning.
- Enhanced student comprehension and appreciation for environmental engineering through active interaction and guidance.
- Cultivated strong skills in communication, presentation, and pedagogy through hands-on teaching experience.

Editorial Team - Civil Engineering Association, BITS Pilani

Aug 2021 - Aug 2022

- Worked as a Content writer that included topics like infrastructure creations and interviewed 5 Professors regarding their experiences in the industry.

Executive Committee Member – NSS (National Service Scheme), BITS Pilani

Aug 2021 - May 2022

- Ex-comm of English and Personality Development (EPD) department of NSS. Conducted classes and events for the underprivileged kids, including Story sessions, skits, basic grammar etc. Also hosted Hindi Diwas event consisting of 120+ participants.

VOLUNTEER EXPERIENCE

Indian Red Cross Society Blood Donation Camp, BITS Pilani - Role: Core Team Member | Cause: Health

Mar 2022 - Mar 2022

- Organized a Blood donation camp by preparing schedule for 60+ volunteers and handled the BMI data of 1000+ donors. Achieved 844 successful donations within 2 days.

Peer Mentorship Program (PMP), BITS Pilani - Role: Mentor | Cause: Education

Aug 2021 – Jun 2024

- Assisted Juniors with advice and materials to ensure they have a smooth transition into college life and succeed academically.

NSS (National Service Scheme), BITS Pilani - Role: Volunteer | Cause: Social Services

Mar 2021 – Jun 2024

- The NSS BITS Pilani's English and Personality Development Department aims to promote English study and virtue. Planned 10+ activities that are designed to improve English language skills and boost student confidence.