

Shivam Kumar

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EDUCATION

B. Tech - CSE (Data Science) <i>DPG Institute of Technology and Management</i> <i>Cumulative GPA: 8.1</i>	Gurugram, India 2021 – 2025
12th Class (PCM) <i>Govt. Sen. Sec. School</i> <i>Percentage: 92.6%</i>	Gurugram, India 2021
10th Class <i>Govt. Sen. Sec. School</i> <i>Percentage: 88%</i>	Gurugram, India 2019

SKILLS

Programming: Python, R, SQL • **Data Science & ML:** NumPy, Pandas, Scikit-learn, TensorFlow, Keras, NLP, OpenCV, Statistical analysis • **Visualization:** Power BI, Matplotlib, Seaborn, Plotly • **Management:** Jira, Agile

EXPERIENCE

Honeywell ICT <i>Data Science & Cybersecurity Trainee (Focus: Threat Detection Analytics)</i> <ul style="list-style-type: none">Applied machine learning algorithms to analyze cybersecurity datasets, identifying anomalies and predicting threats with 95% accuracy using supervised learning models.Conducted data preprocessing and feature engineering on network logs, reducing false positives in threat detection by 20% through statistical analysis and Python scripting.Collaborated on building predictive models for real-world attacks, incorporating data visualization in Power BI to present insights on defense strategies and secure configurations.	Gurugram, India Jan 2025 – Feb 2025
Webs Jyoti Pvt. Ltd. <i>Data Science Intern (Full Stack Development with Data Analytics Focus)</i> <ul style="list-style-type: none">Led a team of 5 in data-driven optimization of web applications, using SQL queries and Pandas for performance analysis, improving page load times by 25% and user engagement by 20%.Developed machine learning models for user behavior prediction, integrating Scikit-learn with server-side code to enhance data retrieval speed by 30% and personalize recommendations.Deployed scalable big data solutions on cloud platforms, conducting A/B testing and statistical modeling to drive insights, resulting in optimized e-commerce features and increased conversion rates.	Gurugram, India Jun 2024 – Aug 2024

PROJECTS

Medical Imaging Analysis Using Deep Learning <i>Python, PyTorch, CNN</i> <ul style="list-style-type: none">Engineered and executed an automated diagnostic system for chest X-ray images by leveraging convolutional neural networks (CNNs) in TensorFlow and OpenCV, attaining 92% classification accuracy.Processed and enhanced over 5,000 medical images, applying noise reduction and contrast enhancement to ensure optimal data quality and robust outcomes.Implemented and optimized image augmentation strategies to strengthen model generalization and minimize overfitting, demonstrating improved performance metrics.	Published Paper
E-Commerce Product Analysis <i>Python, Web Scraping, NLP, Sentiment Analysis</i> <ul style="list-style-type: none">Designed and implemented automated data pipeline to scrape, clean, and aggregate multi-source e-commerce product data including prices and reviews.Applied advanced NLP and sentiment analysis techniques to extract actionable business insights from large-scale user reviews.Developed interactive dashboards and visualizations to enable data-driven price comparison and review analytics for end users.	Source Code
Movie Recommendation System <i>Collaborative Filtering, Content-Based Filtering</i> <ul style="list-style-type: none">Constructed a robust movie recommendation engine utilizing collaborative and content-based filtering, optimized using real-world user rating datasets.Processed, analyzed, and engineered features from large datasets to enhance recommendation accuracy and user satisfaction.Evaluated system performance with industry-standard metrics (precision, recall) and iteratively refined models for optimal results.	Source Code

CERTIFICATION

Agile Fundamentals Certification - Udemy
Introduction to Career Skills in Data Analytics - LinkedIn
Data Analytics A-Z with Python - Udemy