

Shivam Nayak

shivam09kuh | [LinkedIn](#)
SHIVAMNAYAK007 | ([github.com](#))

Email: shivamnayak615@gmail.com
Mobile: +91 9981462486

EDUCATION	
Chandigarh University, Mohali (Punjab) Master of Science- (Data Science), GPA: 6.67	August 2022- June 2024
Maharaja Chhatrasal Bundelkhand University, Chhatarpur (M.P) Bachelor of Science- (Computer Science), GPA: 80%	August 2018- June 2021

SKILLS SUMMARY	
Languages:	Python, SQL, R
Frameworks:	Pandas, Numpy, Sciket-Learn, Matplotlib, Keras, Flask, PyTorch
Tools:	Power BI, Excel, Tableau, MySQL, SQLite, Hadoop, Spark
Domain Skill:	Machine Learning, Statistics, Data analysis, Data Visualization, Deep Learning, Big Data
Soft Skills:	Problem-Solving Skills, Adaptability and Continuous Learning, Communication Skills

PROJECTS	
Enhancing Stroke Prediction with Machine Learning in Smart Healthcare Systems LINK	
<ul style="list-style-type: none">Developed an advanced machine learning model to enhance stroke prediction accuracy in smart healthcare systems, resulting in a 20% improvement in predictive performance.Authored a comprehensive research paper detailing the methodology and findings, published in IEEE Xplore and presented at the prestigious 15th ICCNT IEEE Conference at IIT Mandi.Collaborated with a multidisciplinary team to integrate the model into existing healthcare frameworks, ensuring seamless deployment and real-time data analysis.Leveraged cutting-edge techniques such as feature engineering and model optimization to achieve robust and reliable stroke prediction outcomes.	

Credit Card Defaulter Analysis LINK	
<ul style="list-style-type: none">Developed a predictive model using machine learning algorithms to identify potential credit card defaulters, improving early detection by 25%.Analyzed large datasets to extract key features and insights, enhancing model accuracy and reducing false positives by 15%.Implemented data preprocessing techniques, including data cleaning, normalization, and feature engineering, to optimize model performance.Collaborated with cross-functional teams to integrate predictive insights into business processes, leading to a 20% reduction in delinquency rates.	

Insurance Fraud Detection LINK	
<ul style="list-style-type: none">Developed a robust machine learning model to accurately detect fraudulent insurance claims, enhancing detection accuracy by 25%.Implemented advanced feature engineering techniques and data preprocessing to improve model performance and data quality.Analyzed large datasets using Python and SQL to identify patterns and anomalies indicative of fraud, leading to actionable insights.Collaborated with cross-functional teams to integrate the fraud detection model into the existing claims processing system, streamlining operations and reducing false positives.	

CERTIFICATES	
Crash Course on Python (Google) CERTIFICATE	June 28, 2023
<ul style="list-style-type: none">Completed the "Google Crash Course on Python," mastering essential Python programming concepts and techniques applicable to data science and automation.Developed practical skills in Python scripting, data manipulation, and algorithm implementation, enhancing proficiency in writing efficient and scalable code.	
Google Advanced Data Analytics Professional Certificate CERTIFICATE	August 17, 2024
<ul style="list-style-type: none">Earned the Google Advanced Data Analytics Professional Certificate, demonstrating proficiency in exploring large datasets, applying advanced data analysis techniques, and building predictive models to extract actionable insights.Completed hands-on, practice-based assessments across seven courses, showcasing expertise in machine learning, statistics, and regression analysis to solve complex data-driven challenges.	
IBM Machine Learning Professional Certificate CERTIFICATE	August 19, 2024
<ul style="list-style-type: none">Acquired the IBM Machine Learning Professional Certificate, validating expertise in supervised and unsupervised learning, deep learning, and reinforcement learning, along with practical experience in time series and survival analysis.Completed a comprehensive 6-course program, focusing on machine learning algorithms, best practices, and real-world applications, reinforcing skills in AI-driven data analysis and model development.	
Google IT Automation with Python Professional Certificate CERTIFICATE	August 19, 2024
<ul style="list-style-type: none">Earned the Google IT Automation with Python Professional Certificate, demonstrating proficiency in Python scripting, IT automation, and cloud configuration management to streamline IT support and systems administration tasks.Developed strong skills in troubleshooting, debugging, and version control, applying Python and Git to automate complex tasks, improving efficiency and reliability in IT operations.	

DIPLOMA	
Post Graduate Diploma in Computer Application (PGDCA) Makhanlal Chaturvedi National University of Journalism and Communication, First Division	Bhopal, India August 2021- September 2022