

Pathan Afnan Khan

Data Scientist/Machine Learning Engineer

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SUMMARY

Data Scientist with 3+ years of experience delivering high-impact machine learning solutions across computer vision, NLP, and fraud detection domains. Successfully developed and deployed facial recognition systems achieving 95% accuracy, automated chatbots reducing customer response time by 60%, and fraud detection models saving \$500K+ in potential losses. Expert in building end-to-end ML pipelines from data preprocessing to production deployment using Python, TensorFlow, and cloud platforms. Created interactive Power BI dashboards driving 30% increase in sales efficiency through actionable insights. Combining deep technical expertise in computer vision, sentiment analysis, and anomaly detection with strong business acumen to transform complex data challenges into scalable solutions.

EXPERIENCE

Founder & Ceo Jun '24 — Present
Gwen AI Aurangabad, Maharashtra, India

- Launched Gwen AI, delivering AI-driven business solutions, including virtual assistants and chatbots, boosting client engagement by 40%.
- Spearheaded the design and deployment of scalable AI systems, enhancing operational efficiency by 35% through automation.
- Directed cross-functional teams of developers and data scientists, reducing project turnaround time by 25% and improving time-to-market.

Software Engineer Intern Sep '22 — Jan '25
Blackbird Remote

- Engineered software solutions using GitHub for version control, improving code performance by 20%.
- Implemented rigorous testing with Harrison.Ai, increasing code reliability by 30% and ensuring high-quality software delivery.
- Optimized team workflows by 20% through actionable feedback during sprint retrospectives, enhancing team productivity.

Data Science Intern May '24 — Feb '24
BCG Remote

- Developed machine learning models that increased forecasting accuracy by 25%, directly supporting strategic business initiatives.
- Conducted comprehensive data analysis, reducing operational costs by 15% through process optimization.
- Collaborated with cross-functional teams to deliver data-driven solutions, enhancing project outcomes by 20%.

Data Science Intern Jul '24 — Aug '24
TechnoHacks Nashik, India

- Built a credit card fraud detection system with 95% precision, significantly reducing false positives in fraud detection.
- Performed sentiment analysis on social media data, improving tracking precision by 22% using advanced NLP techniques.
- Developed spam detection models, decreasing false positive rates by 35% through refined machine learning algorithms.

Data Science Intern Oct '23 — Nov '23
Bharat Interns Bhopal, India

- Led the development of a Netflix stock price prediction model, enhancing prediction accuracy by 30% with LSTM networks.
- Constructed a Titanic survival classification model, boosting classification accuracy by 25% using ensemble methods.
- Delivered actionable insights through machine learning, enabling data-driven decision-making for project stakeholders.

Artificial Intelligence Intern Aug '23 — Sep '23
Cognizant Remote

- Conducted exploratory data analysis using Python, identifying trends that increased client sales by 20%.
- Streamlined model training with custom Python modules, enhancing model deployment efficiency by 35%.
- Presented data insights through impactful visualizations, aiding strategic decisions for key clients like Gala Groceries.

Data Analytics Intern May '23 — Jul '23
PWC Remote

- Designed Python-based classification models, improving feature importance evaluation by 30%.
- Analyzed historical data to forecast cash flows, increasing portfolio valuation accuracy by 25%.
- Conducted in-depth medical data analysis, providing insights that led to a 20% improvement in client health outcomes.

EDUCATION

Bachelor of Technology in Electronics and Computer Engineering, P.E.S College of Engineering Dec '21 — Jun '25
Aurangabad, India Aurangabad, India

CERTIFICATIONS		
Google Advanced Data Analytics Professional	Google	Nov '23
Machine Learning	Udemy	Mar '23
SQL Training	Udemy	May '23
DevOps	Udemy	Oct '22
Linux OS	Udemy	Sep '22
Advanced Python	Udemy	Aug '23
Data Science With Python	SkillUp	Jan '23
Artificial Intelligence	Udemy	Apr '23
CSS, BootStrap, JavaScript, WebDevelopment	Udemy	Nov '22
Data Science	IBM	Jan '24
Regression Analysis	Google	Oct '23

PROJECTS		
Facial Emotion Recognition System, Self Project	Link	Aurangabad, Maharashtra, India
Credit Card Fraud Detection system, Self Project	Link	Aurangabad, Maharashtra, India
Social Media Sentiment Analysis , Self Project	Link	Aurangabad, India
AI ChatBot using Python , Self Projects	Link	Aurangabad, India
Spam Email Detection System , Self Project	Link	Aurangabad, India
Titanic Survival Classification System , Self Project	Link	Aurangabad, India
Real Time Object Detection System, Self Project	Link	Aurangabad, India
Netflix Stock Price Prediction , Self Project	Link	Aurangabad, India
Ecommerce Sales Dashboard, Self Project	Link	

SKILLS		
Programming Skills	Python, R, Java, c\c++, Scala, Javascript, SQL, HTML, CSS, Julia	
Data Analysis and Visualization	Tableau, Looker, Segment, Amplitude, D3.js, Jupyter, Power BI, Exploratory Data Analysis, Data Mining, Statistics	
Machine Learning Techniques	Machine Learning, Deep Learning, Artificial Intelligence, Training, Deep Learning Models	
Big Data Technologies	Hadoop, Apache Spark, Cloud	
Other Skills	Google Cloud, Prediction, Natural Language Processing, Leverage	