

**Maibam Rakesh Singh**  
**Data Scientist & Statistical Mathematician**  
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## EDUCATION

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- **Bharathidasan University, Tiruchirappalli** Tamil Nadu, India  
*Master of Science in Statistics; GPA: 9.33* *June 2024 – June 2026*
  - **Relevant Coursework:** Calculus, Linear Algebra, Differential Equations, Real Analysis, Advanced Statistical Theory, Machine Learning, Big Data Analysis, Statistical Inference, Stochastic Processes, Time Series Analysis, Measure Theory, Probability Theory, Econometrics.
- **Hemvati Nandan Bahuguna Garhwal University, Srinagar** Uttarakhand, India  
*Bachelor of Science in Mathematical Statistics; GPA: 6.33* *June 2017 – June 2020*
  - **Relevant Coursework:** Differential Calculus, Integral Calculus, Vector Calculus, Real Analysis, Classical Algebra, Abstract Algebra, Linear Algebra, Matrices, Geometry, Analytical Geometry, Trigonometry, Numerical Methods, Bio-Mathematics, Statics, Dynamics, Rigid Dynamics, Probability Theory, Measure and Probability Theory, Descriptive Statistics, Statistical Methods, Statistical Inference, Sampling Theory, Sample Surveys, Distribution Theory, Applied Statistics, Forecasting, Statistical Quality Control and Reliability Theory, Queuing and Reliability Theory, Inventory Systems, Optimization Techniques, Linear Programming, Design of Experiments, Linear Models and Design of Experiments, Advanced Statistical Methods, Statistical Methodology, Network Analysis, Sequencing Theory, Machine Learning, Stochastic Processes and Time Series Analysis.
- **Manipur University, Canchipur** Manipur, India  
*Bachelor of Science (Honours in Physics); GPA: 6.21* *June 2011 – July 2014*
  - **Relevant Coursework:** Mechanics, Thermal Physics, Electricity & Magnetism, Statistical Mechanics, Waves & Optics, Solid-State Physics, Atomic & Nuclear Physics, Electronics, Mathematical Physics, Physics of Materials, Quantum Mechanics, Thermodynamics, Chemical Kinetics, Electrochemistry: Conductance, Nernst equation, potentiometry, Phase Equilibria & Surface Chemistry: Colloids, surfactants, adsorption isotherms.

## SKILLS SUMMARY

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- **Languages:** Python, RStudio, C, SQL.
- **Frameworks:** Scikit-learn, spaCy, Hugging Face Transformers, TensorFlow, PyTorch, Keras, NLTK, Pandas, NumPy, SciPy, Matplotlib, Seaborn, Plotly.
- **Database Systems Tools:** Git, PostgreSQL, MySQL, SQLite.
- **Platforms:** Linux, Web, Windows, AWS, IBM Cloud.
- **Statistical Tools:** R, SPSS, SAS, Stata, Power BI, Tableau.
- **Mathematical Tools:** MATLAB, Mathematica, Maple, SageMath.
- **IDEs & Platforms:** VS Code, Jupyter, Google Colab, Posit Cloud.
- **Machine Learning Specializations:** Supervised/Unsupervised Learning, Deep Learning, NLP, Time Series Analysis, MLOps, Reinforcement Learning.
- **Big Data Tools:** Apache Hadoop.
- **Development Tools:** LaTeX, Git, Anaconda, Microsoft PowerPoint, Microsoft Word.
- **Operating Systems:** Windows, Linux (Ubuntu), macOS.

## SOFT SKILLS SUMMARY

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- **Soft Skills:** Leadership, Agile Management, Technical Writing, Communication, Time Management, Problem-solving, Teamwork, Leadership, Adaptability, Critical Thinking, Creativity, Collaboration, Flexibility.

## EXPERIENCE

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- **On-the-Job Training Project** ICT, Mumbai (Hybrid)  
*Trainee (Full-time)* *May 2024 – Aug 2024*
  - **MiniGPT:** Developed a compact conversational AI tool using NLP and machine learning techniques.
  - **Keywords:** Transformer Architecture, Self-Attention, Bi-RNNs, Multi-Head Attention, GPT, Tokenization, Perplexity, Word Embeddings, LSTM, Adaptive Optimization.
- **Sub Project** ICT, Mumbai (Hybrid)  
*Trainee (Full-time)* *May 2024 – Aug 2024*
  - **Temperature Prediction Using Linear Models:** Conducted a case study on Rourkela's meteorological data using regression and SVM models.
  - **Keywords:** SVM (Linear Kernel), MSE,  $R^2$  Score, EDA, Correlation Heatmap, Multivariate Regression, Feature Engineering, Data Preprocessing, L1/L2 Regularization.

## PROJECTS

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- **Internship Project** Skillfied Mentor (Hybrid)  
*Trainee (Full-time)* *May 2025 – June 2025*
  - **Smart Health Analytics:** Developed a machine learning system for diabetes detection, glucose prediction, and patient-centric health management.
- **Industry Skills Development Project** Deloitte & Forage (Online)  
*Trainee* *Feb 2025 – Mar 2025*
  - **Data-Driven Decision Making:** Applied analytics, forensic technology, Excel, and Tableau to generate business insights.
- **Industry Skills Development Project** PwC & Forage (Online)  
*Trainee* *Feb 2025 – Mar 2025*
  - **Analytics and Communication:** Used Power BI to deliver actionable insights for business decision-making.
- **Skill Elevation Project** British Airways & Forage (Online)  
*Trainee* *Apr 2025 – May 2025*
  - **Customer Booking Completion Prediction:** Developed predictive models to improve revenue optimization for British Airways.

## VOLUNTEER EXPERIENCE

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- **National Service Scheme (NSS)** Manipur, India  
*Volunteer* *Mar 2012 – Aug 2013*
  - Contributed to public health, sanitation, hygiene awareness, and community service activities.

## ONLINE COURSES

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- **IBM Online**  
*Certificate Courses* *Dec 2024 – Mar 2025*
  - Data Science & Machine Learning, Quantum Computing & Quantum Machine Learning.