Sahil Meena

Enrollment No.: 23/11/EE/020
B.Tech, ECE, JNU, New Delhi

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EDUCATION

•**Jawaharlal Nehru University, New Delhi**   *2027*
B.Tech in Electronics And Communication Engineering

•**St.Edmund's School, Malaviya Nagar, Jaipur**   *2022*
Board of Intermediate Education, Rajasthan

•**St.Edmund's School, Malaviya Nagar, Jaipur**   *2020*
Board of Secondary Education, Rajasthan

EXPERIENCE

•**MNIT**   *May 2024 - Aug 2024*
Research Intern   Jaipur
– Collaborated with faculty and graduate researchers on AI and signal processing projects.
– Conducted literature reviews, designed experiments, and analyzed EEG data.
– Developed reports and research findings for academic publications.

PERSONAL PROJECTS

•**XAI-Enhanced EEG Analysis for Limb Task Identification**   *May 2024 - Aug 2024*
Associated with MNIT Jaipur

– Tools & technologies used: Python, Machine Learning, Data Analysis
– Developed Explainable AI models to interpret EEG signals for limb movement classification.
– Enhanced model transparency and accuracy for neurorehabilitation applications.

•**Human-Machine Interfaces: Classifying Limb Movements Using Deep Learning**   *Aug 2024 - Sep 2024*
Associated with JNU New Delhi

– Tools & technologies used: Python, Deep Learning, Data Analysis
– Integrated EEG signals with deep learning models for human-machine interfaces.
– Optimized control strategies in prosthetic devices and assistive technologies.

•**Chilling Insights: A Temperature-Based Regression Model for Prediction**   *Aug 2024 - Sep 2024*
Associated with JNU New Delhi

– Tools & technologies used: Python, Deep Learning, Data Analysis
– Built a regression model analyzing temperature fluctuations and ice cream sales trends.
– Helped optimize inventory, supply chain, and revenue management through predictive analytics.

TECHNICAL SKILLS AND INTERESTS

Languages:C/C++, HTML, CSS, PYTHON, SQL, R
Developer Tools: Jupyter Notebooks, TensorFlow, PyTorch, Scikit-learn, Keras, Google Colab
Cloud/Databases: Kaggle, IEEE Dataport, Amazon Web Services (AWS), Google Cloud Platform (GCP), Oracle Cloud
Soft Skills: Communication Skills, Collaboration and Teamwork, Problem-Solving, Adaptability, Presentation Skills
Areas of Interest: Brain Computer Interface(BCI), Bio-Medical, Research

ACHIEVEMENTS

•**Published Book Chapter on AI in Brain Signal Processing**   *May 2024 - Aug 2024*
Associated with MNIT Jaipur

– Contributed to Artificial Intelligence-Based Signal Processing for Brain Activity Analysis in collaboration with MNIT Jaipur.
– Focused on AI-driven EEG signal analysis techniques.

•**Gold Medalist in Kabaddi (2023)**   *2023*

•Secured a gold medal in a competitive university Kabaddi championship.