

SHREYA DEY

- **Fraud Mobile Transaction Detection (2019):** Developed machine learning algorithm to control massive transfers from one account to another and flag illegal attempts
Keywords: sklearn, KNN, Logistic Regression, Naive Bayes, Support Vector Machine, k-fold Cross Validation
- **Identification of Medical Abnormalities in X-Ray images (2019):** Developed image classification CNN architecture by transfer learning from ResNet-18 to spot tuberculosis in chest x-rays. Implemented data augmentation, scaling, preprocessing. Penalized loss for misclassifying abnormalities.
Keywords: ResNet-18, CNN, Data Augmentation, Scaling, Transfer Learning, Keras, Matplotlib, Penalized Loss

COURSES & CERTIFICATIONS

- Stanford CS231n: Convolutional Neural Networks for Visual Recognition
- Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning by Coursera (Aug, 2019)
- Improving Deep Neural Networks: Hyper parameter tuning, Regularization and Optimization by Coursera (Sep, 2019)
- Sequence Models by Coursera (Sep, 2019)
- Python for Data Science and AI by IBM developer (Sep, 2019)
- AI From the Data Center to the Edge - An Optimized Path Using Intel Architecture by Intel Labs (Nov, 2019)

EDUCATION

- **M.Tech in Mechatronics** with aggregate percentage 88% from Indian Institute of Engineering Science and Technology, Shibpur, Kolkata, India. (Jul, 2018 – Jul, 2020)
- **B.Tech in Electronics and Communication** with DGPA 8.48 from Kalyani Government Engineering College, Kalyani, WB, India. (Aug, 2013 – Jun, 2017)
- **CBSE (class 12th)** with aggregate percentage 90.2% from Vikas Vidyaniketan, Visakhapatnam, India. (Apr, 2012 – Mar, 2013)
- **ICSE (class 10th)** with aggregate percentage 88.86% from Holy Rock School, Burdwan, IN. (Apr, 2010 – Mar, 2011)

Awards & Recognition

- Scored highest aggregate marks in M.Tech of Mechatronics Department, IEST, Shibpur
- Qualified GATE 2017,2018 and availed GATE scholarship from MHRD, Govt. of India
- Star Team Award (Tata Consultancy Services): Awarded for contribution to teams' success in automating mail handling tasks