

PAPUL GHOSH

Master's Student at TU Hamburg

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WORK EXPERIENCE

Work Student: Risk analysis and Quality Management hamburger pensionsverwaltung eG

📅 July 2020 – Present 📍 Hamburg, Germany

- **Role:** Tool and interface development, Managing Excel sheets, Macro development, Business Analytics, Data Visualization
- **Technology used:** Microsoft Excel, Visual Basic, R, R-Studio, Microsoft Power BI

Internship: E-Commerce Website Development WebTek Labs Pvt. Ltd.

📅 October 2017 – December 2017 📍 Kolkata, India

- **Role:** Software Development, Analysis and design system, Database design
- **Technology used:** PHP, HTML, CSS3, Javascript, Bootstrap, MySQL, Xampp

Research Trainee: Image Enhancement IIEST, Shibpur

📅 July 2018 – August 2018 📍 Shibpur, India

- **Role:** Research, Workshop, Research Report Development
- **Technology used:** Image Processing in MatLab

PROJECTS

Housing Price prediction with Scikit Learn

📅 2020

- **Project Summary:** The task is to predict median house values in California districts, given a number of features from these districts. Correlation between all features with house values are checked to find strong insights. Models implemented: Linear Regressor, Decision Tree Regressor, Random Forest Regressor, Support Vector Regressor.
- **Technology used:** Python, scikit-learn.

Event Summarisation with Social Media data University of Kalyani, India

📅 December 2018 - January 2019

EDUCATION

Masters in Information & Communication Systems

TU Hamburg, Germany

📅 October 2019 – Ongoing

Grade: 1.76

Bachelors in Information Technology

University of Kalyani, India

📅 August 2015 – June 2019

Grade: 85.37%

COURSES

Neural Networks and Deep Learning Coursera, DeepLearning.AI

📅 November 2020 - December 2020

- **Topics include:** (i) major technology trends driving Deep Learning. (ii) build, train and apply fully connected deep neural networks. (iii) implement efficient (vectorized) neural networks. (iv) key parameters in a neural network's architecture.
- **Technology used:** Python, Jupyter Notebook.

Machine Learning

Coursera, Online

📅 September 2020 - November 2020

- **Topics include:** (i) Supervised learning (support vector machines, kernels, neural networks). (ii) Unsupervised learning (clustering, dimensionality reduction, recommender systems, deep learning). (iii) Bias and Variance theory. Apply algorithms to building smart robots, text understanding (web search, anti-spam), computer vision, medical informatics, database mining.
- **Technology used:** Octave.

- **Project Summary:** Applying various machine learning algorithms to the collected dataset on the Nepal Earthquake incident to analyse their sentiments and clustering the tweets in multiple groups having their own specific categories of objectives to finally extract the summarised information.
- **Technology used:** Python.

Sentiment Analysis of Movie Reviews

University of Kalyani, India

📅 June 2018 - January 2019

- **Project Summary:** Implementing various algorithms including Naive Bayes classifier, KNN classifier, Support Vector Machine (SVM), Dictionary approach to improve classification accuracy of sentiment polarity of movie reviews.
- **Technology used:** Python.

PowerBI Covid-19 Data Visualisation

📅 2020

- **Project Summary:** Data visualization on Covid 19 cases of different countries. Attributes like Total deaths, Active cases, New cases are visualized. Dataset is fetched directly from web.
- **Technology used:** Microsoft Power BI.

Ecommerce Website: Jewellery Shopping

📅 November 2017 - March 2018

- **Project Summary:** Admin panel with product maintenance, order maintenance, Multicategory product section, cart system, registration system, checkout options.
- **Technology used:** PHP, HTML, CSS, Javascript, MySQL.

My Portfolio

📅 March 2020

- **Project Summary:** This is my Portfolio project that contains my Educational history and work experiences (URL given at the top).
- **Technology used:** HTML5, CSS3, JS, Bootstrap, Java Servlet, MySql Server.

Tennis Game Development

📅 April 2020

- **Project Summary:** Simple Tennis game interface developement in JavaScript with AI features implemented on one player.
- **Technology used:** HTML5, JavaScript.

TECHNICAL SKILLS

Python	●●●●●
R	●●●●●
MS Visual Basic	●●●●●
PHP	●●●●●
HTML	●●●●●
MySql	●●●●●
Matlab	●●●●●

Jupyter Notebook Wordpress GitHub
Javascript MS Power BI RStudio

LANGUAGES

Bengali	●●●●●
English	●●●●●
German	●●●●●

ACHIEVEMENTS

🏆 **University Top Scorer**
This Award was given to me by University of Kalyani for being the University topper throughout the 8 semesters during my bachelors degree with outstanding grades

💓 **Oasis post-matric Scholarship**
Government of India had given me stipend during my Bachelors Degree for acquiring excellent score in Higher Secondary (school leaving) exam.

💓 **The EY Foundation Scholarship**
This private foundation had awarded me stipend with all necessary books for my consistent school and university performance.

HOBBIES & INTERESTS

Develop coding skills Learning German
Solving puzzles Playing and watching Football
playing Chess Inline skating