DEBARGHYA DEY

CONTACT:

PHONE: +91-8240063554

LINKEDIN:
https://www.linkedin.com/in/debarghya-dey-975947154

Email:
work.debarghya2000@gmail.com

GITHUB:
https://github.com/DebarghyaDey

QWIKLABS: Debarghya Dey | Qwiklabs

ACHIEVEMENTS/SCHOLARSHIPS:

- **Google Cloud Ready Facilitator Program**
- **SUSE Cloud Native Foundations Scholarship**
- **AWS Machine Learning Scholarship**
- **Among the 300 candidates (from an application pool of 15000) funded by SUSE for Udacity's Cloud Native Application Architecture nanodegree.**

INDEPENDENT COURSEWORK:

- **Launching into Machine Learning (Google)**
- **Google IT Support Specialization**
- **Google IT Automation with Python Specialization**

POSITIONS/RESPONSIBILITIES:

- **Member of Departmental Training and Placement Cell, IIEST Shibpur**
- **Executive Director at Entrepreneurship Development Cell, IIEST Shibpur**

EDUCATION:

- **Indian Institute of Engineering Science and Technology, Shibpur**
  Computer Science and Technology
  (B. Tech)
  2019-23 | CGPA - 9.56 (up to 4th Semester)
- **Abhinav Bharati High School, Kolkata**
  AISSCE - 2018 | Average of 96 %
- **Augustine's Public School, Howrah**
  ICSE - 2016 | Average of 95.8 %

PROJECTS:

- **Image Handling/Processing Techniques:**
  Implemented own functions for "computing histogram and its equalization", "reducing salt-and-pepper noise", "mean, median and mode filters", "global and local thresholding using Otsu's algorithm" and "adaptive thresholding".
- **Social Distancing Checker:**
  Detecting people from a video input by using the Darknet implementation of the YOLO algorithm. OpenCV has been used to transform the video into bird's eye view. Calculated the distances between people using own implemented formula. Finally marked the violations by OpenCV.
- **Techtrends:**
  An online news-sharing platform, Flask application; distributed as a Docker image and deployed to Kubernetes using Helm, and automated using GitHub Actions and ArgoCD.
- **Image Annotation:**
  Annotated Japanese Manga and American Comics to create datasets for finding the number of speech bubbles in them (as part of a research paper).

SKILLS:

- **Languages:** C, C++, Python, JAVA
- **Google Cloud**
- **Web:** HTML, CSS, JavaScript, Flask
- **Database:** MySQL
- Machine Learning, Basics of Deep Learning and Data Science
- **Libraries:** NumPy, Pandas, Matplotlib, OpenCV, PIL
- Google Colab
- MS Office, G-Suite, LaTeX