Curriculum Vitae

PERSONAL INFORMATION

- **Name:** Piklu Mallick
- **Current address:** Ginsterweg 2, Göttingen, Germany, 37077
- **Permanent address:** Eloma, Madhabpur, Arambagh, Hooghly, West Bengal, India-712413
- **Date of birth:** 11/02/1994
- **Nationality:** Indian
- **E-mail address:** piklu.mallick@ds.mpg.de; piklu11mallick@gmail.com

EDUCATION

- **Start date – end date:** 08/08/2018 - 08/09/2020
- **Name of degree awarding Institution, city, and state:** Department of Radio Physics and Electronics, University of Calcutta, Kolkata, India
- **Degree type and [major]:** Master of Technology [VLSI Design]
- **Nominal/legal duration of the course:** 2 year
- **Final score:** 8.83/10
- **Month and year the degree was awarded:** 09/2020
- **Thesis title and, advisor**: "High-speed VLSI Architecture for One Bit Transformation Based Fast Motion Estimation" under the guidance of Dr. Pulak Mondal

- **Start date – end date:** 07/10/2015 - 20/07/2018
- **Name of degree awarding Institution, city, and state:** Department of Radio Physics and Electronics, University of Calcutta, Kolkata, India
- **Degree type and [major]:** Post B.Sc. Bachelor of Technology [Radio Physics and Electronics]
- **Nominal/legal duration of the course:** 3 year
- **Final score:** 8.42/10
- **Month and year the degree was awarded:** 07/2018
- **Thesis title and, advisor:** "To study the variation of Threshold Current Density for a DH Laser by varying different parameters" under the guidance of Shampa Guin

- **Start date – end date:** 03/07/2012 - 20/06/2015
- **Name of degree awarding Institution, city, and state:** University of Calcutta, Kolkata, India
- **Degree type and [major]:** Bachelor of Science [Physics]
- **Nominal/legal duration of the course:** 3 year
- **Final score:** 63.63% (First Class)
- **Month and year the degree was awarded:** 06/2015

- **Start date – end date:** 01/04/2010 - 31/03/2012
- **Name of degree awarding Institution, city, and state:** Jawahar Navodaya Vidyalaya, Hooghly, West Bengal, India
- **Degree type and [major]:** All Indian Senior School Certificate Examination [Physics, Mathematics, Chemistry, Biology, English]
- **Nominal/legal duration of the course:** 2 year
- **Final score:** 80.2%
- **Month and year the degree was awarded:** 05/2012

PROFESSIONAL/RELEVANT EXPERIENCE

Research Experience

- **Job/Position title:** Guest Scientist
- **Organization name, city, and state**: Max Planck Institute of Dynamics and Self-Organization, Göttingen, Germany
- **Dates position was held:** 15/09/2022 – 15/03/2023
- **Project title:** Inferring the impact of voluntary and mandatory COVID-19 restrictions

- **Job/Position title:** Junior Research Fellow (JRF)
- **Organization name, city, and state**: Indian Institute of Information Technology Guwahati, Guwahati, Assam, India
- **Dates position was held:** 14/08/2020 – 30/08/2022
- **Project title:** Effects of Non-Pharmaceutical Measures on COVID-19 Pandemic in India and Network-based Forecast Beyond Relaxation of Lockdown.

RESEARCH ACHIEVEMENTS

- **Publications:**

1. P. Mallick, S. Bhowmick and S. Panja, "Analysis of Imposition and Periodic Relaxation of Lockdown on the Spread of COVID-19 in India through Networked SEIR Model," *2021 Seventh Indian Control Conference (ICC)*, 2021, pp. 63-68, doi: 10.1109/ICC54714.2021.9703146.
2. Mallick, Piklu, Sourav Bhowmick, and Surajit Panja. "Prediction of COVID-19 Infected Population for Indian States through a State Interaction Network-based SEIR Epidemic Model." *Ifac-papersonline* 55.1 (2022): 691-696.
3. Mallick, Piklu, and Surajit Panja. "Analysing the Effects of Lockdown & Vaccination to Inhibit the Spread of COVID-19 in India with a Networked SUVIRD Model." *2022 8th International Conference on Control, Decision and Information Technologies (CoDIT)*. Vol. 1. IEEE, 2022.
4. Mallick, Piklu, Sujoy Paul, and Surajit Panja, "Analysis and Evolution of Airport Network of India." *TENCON 2022 – 2022 IEEE Region 10 Conference (TENCON)* (2022): 1-5.

- **Presentations (Talks):**

1. Presented our work at *Seventh Indian Control Conference (ICC)*, IIT Bombay, India, December 20-22, 2021.
2. Presented our work at *Seventh International Conference on Advances in Control & Optimization of Dynamical Systems (ACODS)*, NIT Silchar, Assam, India, February 22-25 2022.

- **Honors and Awards:**

1. Merit-based scholarship during B.Tech and M.Tech from the state government.

PROFESSIONAL AFFILIATIONS/MEMBERSHIPS

- IEEE Student Member (Control System Society)

SKILLS and COMPETENCES

- **Language skills:** English (Excellent in reading and writing and can speak fluently)
- **IT skills:** Python, Latex, MATLAB, Simulink, MS Office
- **Certificates earned:** Basic Course on Python Language, Introduction to programming with MATLAB (Coursera), Machine Learning (Coursera), Social Network Analysis (Coursera), Game Theory (Coursera), Control Systems (Credit: 8).
- **Personal competences:** Teamwork, Leadership, Communication skills, Decision making, Responsible, Punctual, and Honest.

HOBBIES and EXTRACURRICULAR

- Learning new programming languages
- Hiking
- Rock Climbing
- Reading
- Playing indoor & outdoor games
- I am an active member of Effective Altruism Community