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| Curriculum Vitae | | |
| Ankan Basu | |  |
| Address: | 19/4 Sahapur Colony (West), Plot - 141,  New Alipore, Kolkata - 700053,  West Bengal, India |
| Telephone: | +91 8697797274 |
| Email: | an.basu.kan@gmail.com |
| Date and Place of Birth: | 18th June 2001, Kolkata, West Bengal, India |
| Education | | |
| August 2019 - June 2023 | **Bachelor of Technology**  Computer Science and Engineering  *Heritage Institute of Technology (MAKAUT)*  **Final Year Project:** “Tour place recommender” website using web scraping and NLP based recommendation system  **CGPA: 9.44/10** | |
| April 2017- April 2019 | **Senior Secondary School Degree (Class 10+2)**  *South Point High School (CBSE)*  Subjects: English, Physics, Chemistry, Mathematics, Biology  **Grade: 95.20%** | |
| March 2017 | **Secondary School Degree (Class 10)**  *South Point High School (WBBSE)*  Subjects: English, Bengali, Physical Sciences, Life Science, Mathematics, History, Geography  **Grade: 96.00%** | |
| Publications | | |
| Chakraborty, S., **Basu, A.**, Saha, A., Bardhan, I., Datta, S., & Majumder, S. (in press). What drives the variation of developer communication characteristics over time? An empirical study across multiple datasets. In Proceedings of the 5th International Conference on Frontiers in Computing and Systems: COMSYS 2024 (Vol. 3). Lecture Notes in Networks and Systems. Springer. | | |
| **Basu, A.**, Saha, A., & Banerjee, S. (in press). Predicting heat transfer coefficient using bidirectional long short-term memory. In Proceedings of the 2nd International Conference on Mechanical Engineering: INCOM 2024. Springer Lecture Notes in Mechanical Engineering. | | |
| Saha, A., **Basu, A.**, & Banerjee, S. (2024). Enhancing thermal management systems: A machine learning and metaheuristic approach for predicting thermophysical properties of nanofluids. Engineering Research Express. <https://doi.org/10.1088/2631-8695/ad8536> | | |
| **Basu, A.**, Saha, A., Banerjee, S., Roy, P. C., & Kundu, B. (2024). A review of artificial intelligence methods in predicting thermophysical properties of nanofluids for heat transfer applications. Energies, 17(6), 1351. <https://doi.org/10.3390/en17061351> | | |
| Work Experience | | |
| March 2024 - present | **Ernst & Young Global Delivery Services**  Full Stack Developer   * Developing and maintaining web applications using C#, Angular, and SQL, ensuring high performance and responsiveness * Collaborating within an Agile team environment, contributing to project timelines and workflow efficiency | |
| Skills | | |
| Programming Languages: | Python, C/C++, C#, Java, Javascript, Typescript, R | |
| ML and Data Science: | TensorFlow, Pytorch, Pandas, Numpy | |
| Full Stack Development: | React, Angular, ASP .Net, NodeJS, HTML, CSS | |
| Databases: | SQL, MongoDB | |
| Languages | | |
| Bengali | Native | |
| English | Fluent | |
| Hindi | Fluent | |
| French | Intermediate | |
| German | Beginner | |
| Hobbies | | |
| Learning languages | | |
| Swimming | | |
| Reading | | |