ARKAJYOTI MUKHERJEE

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|  | *Summary*  Machine Learning enthusiast with experience of working with teams on demanding and unfamiliar projects, research experience in cross-domain ﬁelds and building complete products with experience in Front-end Web Development. A fresh, young thinker with enthusiasm of learning new things.  *Skill Highlights*   |  |  | | --- | --- | | * Machine Learning/Deep Learning * OOP using Java | * Research Experience in ML * Front-end Web development with React |   *Experience*  **Summer Intern** - 03/2018 to 07/2018  **Lattice Protocol, Singapore**   * Developed design mockups for main company website. * Translated UX wireframes and mockups into responsive, interactive features, using HTML/CSS and JavaScript. * Automated image optimization, using Gulp and miniﬁed JS and CSS, which reduced page load times by up to 30%. * Used service workers to cache the data in browser for faster load times.   **Research Intern** - 09/2014 to 09/2015  **National Institute of Technology, Rourkela**   * Created a new clustering method in Wireless Sensor Networks (WSN) using Genetic Algorithm and wrote multiple research publications on the ﬁndings of the results. * Implemented a few of the existing algorithms in WSN and wrote a comparative study on them. * Implemented compression techniques (Arithmetic coding, DCT and DWT) for EEG signals and transmitted them between two systems, comparing the results based on diﬀerent metrics such as compression ratio, latency and RMS loss, as well as proposing the integration of said compression techniques for EEG signals in the telemedicine systems.   *Education*  Bachelor of Technology: **Information Technology – 06/2017-Present**  **KIIT University, Bhubhaneswar,** *CGPA: 8.84*  **Projects**  Creating Jazz Music with LSTM • Trigger Word Detection using RNN • Art Generation with Neural Style Transfer • EEG Data Analysis and Classiﬁcation with ML  **Certifications**  Deep Learning - Coursera • Wireless Sensor Networks - NIT Rourkela |  |