Arihant Debnath

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Chennai, Tamil Nadu - 603203, India

OBJECTIVE

Seeking a challenging position in technology consulting to leverage my expertise in software development, data analysis, and AI-driven solutions. Aiming to contribute to innovative projects at the intersection of cloud technologies, machine learning, and practical problem-solving in fields such as digital transformation, intelligent systems, and business process automation.

EDUCATION

- **SRM Institute of Science and Technology** — *June 2022 - Present*
  Bachelor of Technology — Kattankulathur, Tamil Nadu
  ◦ GPA: 9.69 (till 4th sem)

- **Delhi Public School Indirapuram** — *May 2021*
  Secondary Education — Ghaziabad, Uttar Pradesh
  ◦ Percentage: 12th: 88% | 10th: 91%

EXPERIENCE

- **National Institute of Technology Rourkela]** — *May 2024 - July 2024*
  Summer Research Fellowship — Rourkela, Odisha
  ◦ Worked in classification on Phonocardiogram(PCG) Signals into normal and abnormal using CNN and using Wavelet Transforms during the feature extraction process.
  ◦ Conducted analysis on current research papers, identifying key methodologies and implemented them

PROJECTS

◦
Weather Forecast Web App — *May 2023*
Tools: [HTML, CSS, JavaScript, Git] [⊙]
  * Weather application which displays the current weather conditions, along with a five-day forecast.
  * It also allows users to search for weather information for any location of their choice.

◦
Handwritten Digit Recognition using CNN — *Oct 2023*
Tools: TensorFlow (Keras), Python, Numpy, PIL, Opencv, Tkinter [⊙][Paper]
  * Trained a Convolution Neural Network on MNIST dataset. Achieved an accuracy of 99.19
  * Utilized this module to recognize handwritten digits. Wrote a IEEE paper, presenting the improved CNN model we had developed.

SKILLS

◦ **Programming Languages:** Python, Java, C, C++
◦ **Web Technologies:** HTML, CSS, Javascript
◦ **Database Systems:** MySQL
◦ **Data Science & Machine Learning:** Tensorflow, Keras, Pytorch

VOLUNTEER EXPERIENCE

◦
PM Kisan Volunteer — *June 2024 - July 2024*
National Informatics Center [🌐]
  * I voluntarily conducted facial authentication eKYC under the PMKISAN Samman Nidhi Scheme via the PMKISAN mobile app.
  * I visited remote areas and helped elderly and disabled farmers who couldn't visit eKYC centers, ensuring they received their due installment benefits.

PROFESSIONAL MEMBERSHIPS

◦ **IEEE**, Membership ID: 100262462 — *July 2024 - Present*