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Sangramjit Chakraborty

Curriculum Vitae

To be professionally challenged, and to learn and grow within the industry.

Education

Bachelor of Technology, *Dr. B.C. Roy Engineering College*, Durgapur, *GPA–7.6/10.0*.   **2017–Present**
Information Technology

Higher Secondary, *Amrita Vidyalayam*, Durgapur, *65%*.   **2015–2017**
PCM with CS

Secondary, *Amrita Vidyalam*, Durgapur, *8.4 GPA*.   **Upto–2015**

Certifications

Machine Learning for Engineering and Science Applications.   **Jun 2019**
NPTEL

Machine Learning with Python.   **Jan 2019**
MyWbut

Computer Architecture.   **Nov 2018**
NPTEL

Web Designing.   **Nov 2018**
AICT

Problem Solving through Programming in C.   **Jun 2018**
NPTEL

Projects

Certified Projects

Play Store Rating Predictor.   **Machine Learning**
o Built a predictor using traditional Machine Learning Techniques.
o Performed extensive feature manipulation to maximize accuracy.
o Performed manual NLP on reviews to extract data from it.
o Achieved 89% accuracy on test set using Random Forest Regression from Scikit-Learn(**Python**).

Personal Projects

Song Genre Classifier.   **Deep Learning**
- Used Tensorflow(**Python**) to build a Convolutional Neural Network.
- Converted song snippets to spectrograms using Python scripting.
- Attained a high 99.22% accuracy on test set.

Devnagari Handwritten Script Classifier.   **Deep Learning**
- Built a Convolutional Neural Network using Keras(**Python**) for Devnagari character recognition.
- Investigated the effects of width, depth, regularization and other hyperparameters.
- Attained a high (99.22%) accuracy on test set.

Portfolio Website.   **Web Development**
- Used **HTML5**, **CSS3**, **JavaScript** and **Bootstrap** to design a personal website.
- Hosted on Github Pages and updated all projects and certifications on it.
- Designed a responsive UI for both PC and mobile interface.

Radioactive Games.   **Software Development**
- Used Python and Tk GUI framework to build a simple intuitive GUI game set.
- Designed the User Interface based on standard UI design techniques.

Skills

General: Machine Learning, Web Development

Languages: Python, C, Java

Tools: LaTeX 2_ε, MATLAB, GNU Octave

Web: HTML5, CSS3, JavaScript, Bootstrap

Libraries and Frameworks: Tensorflow, Keras, Django, Flask

Hobbies & Interests

Photography Filmmaking:
- Did short photography gigs for acquaintances.
- Made two short films for Annual Tech-Fest.