

Avijeet Gupta

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EDUCATION

Delhi Technological University, B. Tech. Computer Engineering 2014 - Present

Current Aggregate (till 4th Semester) : 81.59%

Lancer's Convent Sr. Sec. School

XIIth (CBSE, 2014) - 96.8 %

Xth (CBSE, 2012) - 10 CGPA

EXPERIENCE

Vision & Artificial Intelligence Lab, Undergraduate Research Assistant

- Working on Content Based Image Retrieval using hash-like Binary Codes
- Achieved 89% mean average precision for top 1000 retrievals.

SKILLS

PROGRAMMING LANGUAGES: C, C++, Java, Python, JavaScript

TOOLS/Frameworks: Django, MySQL, Materialize CSS, Android, Git, Selenium, Numpy, Matplotlib

PROJECTS

RaspMe

- Project aims for wireless mobile enabled control of wired and wireless appliances in the domestic setting from any remote location.
- Developed API support for controlling devices though Internet.
- Employed a multi server architecture based on the WSN principles to ensure scalability and lend flexibility to the system.

Technology Stack : Android | Django | SQLite | Raspberry Pi | Arduino

Anomaly Detection Using Fuzzy Rule Mining

- Implemented Fuzzy Apriori for rule generation and identification of anomalous transactions.
- The Intrusion Detection System detects collaborative insider attacks to prevent malicious user transactions.

Technology Stack : Python | Numpy | Matplotlib

DressSocial

- A consumer application for better management of Wardrobe and support smarter buying among customers with social platform.
- Supervised Machine Learning plays the backbone of the application, designed and trained our own Deep Convolution Neural Network model to classify clothes into 15 different categories to aid automated recognition.

Technology Stack : Android | Django | SQLite

Course Management System

- A Responsive Web Application that acts as a liaison between students and faculty to provide a more interactive environment for communication.
- Developed RESTful API for backend in Django and employed OAuth2 Authentication using GMail.

Technology Stack : Django | MySQL | Bootstrap | AngularJS

ACHIEVEMENTS

Google Scholarship For Android Nanodegree, Google

Jan 2016

Awarded Scholarship by Google for Udacity's Android Developer Nanodegree Program.

Selected among top 500 student applications from all over India.

Grand Prize in Hack@BPIT

Feb 2016

Developed the initial stages for the Dress Social project.