AI AND ML FOR FASHION TECHNOLOGY

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https://cambum.net/index.htm

INSTRUCTOR’S BIO

• ASSISTANT PROFESSOR AT INDIAN INSTITUTE OF SCIENCE
• SENOIR RESEARCHER AT CAMBRIDGE UNIVERSITY (2010 – 14)
• PROVED WITH TECHNOLOGY BT, EFPRC, IAE Systems, UA
• VICE CHAIRMAN AT EU-T FG SMART TV AND WG COORDINATOR AT ITU–T FGAV (2011 – 2013)
• PhD form CAMBRIDGE UNIVERSITY (2006 – 2010)
• MTECH FROM IIT KGP (2004 – 2006)

AIM OF THE COURSE

• INTRODUCTION TO DIFFERENT AI ADDRESSING
• INTRODUCTION TO MACHINE LEARNING
• CASE STUDIES
• QUALITATIVE AND QUANTITATIVE DATA ANALYSIS

INDIAN INSTITUTE OF SCIENCE
PD LAB

• MORE THAN 100 STAFF OND
• RATED IT, ART AND IER SYSTEMS IN INDIA
• CONTS: 100 UNIVERSITY IN THE TOP 100 LENDING AND TO THE TOP 10 Mail (156)
• STUDENTS (Universites)

• INTEGRATION INNOVATIVE INTERACTION DESIGN LAB
• SET UP IN 2014
• UNDPARED RESEARCHER IN INTELLIGENT USER INTERFACE AND HUMAN DESIGN
LEVI CHATBOT

* Users can search through the entire catalog of the brand for items by typing in a search term or by browsing the items worn by others in a virtual reality "tag cloud." You can either view more items that are of interest to you or purchase them through the product page. As of this writing, many items carry a stock status, so they don't sell out of stock items.

AUGMENTED REALITY FOR FASHION TECHNOLOGY
ACM DIS 2018

* Building an augmented reality framework that allows fashion designers to create virtual prototypes of garments for printing. Describes how virtual reality, AR, and VR software is used to design and fabricate garments, allowing for the tester to create different designs.

AI FASHION DESIGNER
MIT TECHNOLOGY REVIEW

* Amazon Fashion, a startup, is using an AI fashion designer. They use a neural network to analyze images of clothing and create new designs. This approach can create thousands of new garments in a short period of time.

GOFIND, AN AI-POWERED SEARCH ENGINE FOR FASHION GARMENTS

* Gofind, an AI-powered search engine for fashion garments, finds apparel at stores and online. It matches images from the app with items in stores across the world, allowing users to find items in their size and color.
COURSE STRUCTURE

DAY 1 - LECTURE
- Introduction
- Case Studies
- State Space Search Algorithms

DAY 2 - LECTURE
- Uncertainty Modeling
- Bayesian Inference
- Introduction to Machine Learning
- Multimodal Interaction

DAY 3 - LECTURE + WORKSHOP
- Working with different sensors
- Introduction to AR and VR Systems
- Qualitative Research Methods
- Quantitative Research Methods
DAY 4 AND DAY 5 – WORKSHOP

- Assignments
- Developing new software

DAY 6

- Advanced topics
- Feedback
- Brainstorming sessions