MINAXI GOEL

MS *by research* in Cognitive Science, IIIT Hyderabad, India
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🔗 Portfolio　　🐙 Github　　in Linkedin

RESEARCH EXPERIENCE

Master's Thesis with Dr Priyanka Srivastava
Psycho-motor and psycho-physiological correlates of affective-state while exploring 360° videos using head-mounted virtual reality

Analysed affect using objective measures such as skin-conductance body response and VR head-movement data along with self-report measures. This research can be used to diagnose and treat mood disorders such as depression.

📅 Jul 2018 – Jul 2021　　📍 IIIT Hyderabad

Research Study with Dr Bapi Raju
The Role of Emotion in Biological and Artificial Systems

Emotions, being crucial for survival and evolution, needs to be incorporated into the intelligent systems with the cognitive module.

📅 Jan 2020 – June 2020　　📍 IIIT Hyderabad

PUBLICATIONS

- **Head movement analysis of 360° Affective Experience**
  IEEE ICVR'21 (accepted) | VR experimental research with 32 participants

- **Coping Strategy Determines Pandemic Distress and Propensity to Depression**
  ACCS'21 | COVID-19 survey based research with 71 participants

- **Can mentalizing shapes lead to empathy in humans?**
  ACCS'21 | fMRI study with 339 participants

- **Indian Virtual reality affective database with self-report measures and EDA**
  ACM VRST'19 | VR Study with 10 participants

- **Nature of Musical Preferences Among Autistic Children**
  ABAI'19 | Pilot study with 5 participants

ACADEMIC PROJECTS

- **Classification of CIFAR-10 dataset**
  Statistical Methods in Artificial Intelligence Course

- **Effect of uncertain cues in visual search**
  Introduction to Cognitive Science Course

- **Understanding the role of Music in lives of Autistic kids**
  Research Methodology Course

RELEVANT COURSES

Cognitive Science　Usability Engineering　Research Methodology
Data Science　Statistical Methods in Artificial Intelligence
Design Thinking　Behavioral Economics & Neuromarketing

EDUCATION

🎓 **M.S. (R) in Computer Science**
IIIT Hyderabad, India
📅 July 2018 – Aug 2020 | 9/10

🎓 **B. Tech in Computer Science**
MPSTME, NMIMS, Mumbai, India
📅 July 2013 – May 2017 | 3.21/4

TEACHING ASSISTANT

Introduction to Psychology
Introduction to Human Sciences

INTERESTS

Data Science　Interaction Design
Cognitive Science　User Experience

SKILLS

UX Research | Qualitative & Quantitative
Usability Research　Data Science
Project Management　Scientific Writing

DATA ANALYSED

Head-movement (yaw, pitch, roll) | Python, SPSS
Galvanic Skin Response | Matlab
fMRI & ML datasets | Python
Survey & Interviews | Python, SPSS

PARTICIPATIONS

Conference & Workshops | 5 days
Annual Design Show
📅 May 2021 | Ishanya, IIT Guwahati

Conference | 3 days
Cognitive Science
📅 Jan 2021 | ACCS7, IISc Bangalore

Summer School | 3 weeks
Computational Neuroscience
📅 Jul 2020 | Neuromatch Academy