RV Educational Institutions ®
RV College of Engineering ®

Autonomous
Institution Affiliated
to Visvesvaraya
Technological
University, Belagavi

Approved by AICTE,
New Delhi

BOSTON
TRAINING ACADEMY

Industry Certified Internship

Center of Excellence in AI Research and Business Solutions

Internship Modules for Undergraduate Students

- **_Technical skills_**

  Python - Data analysis: Numpy, Pandas, Matplotlib, Seaborn
  Python - Machine Learning: Sklearn
  Python - Deep Learning: CNN models and RNN models
  Python - Natural Language Processing: NLTK, SPACY

- **_Modules and Problems_**

  ### M1: Intent Analysis

  1. Chat bot for collecting medical data by interrogation
  2. Medical Data Summarization
  3. Pesticides recommender system
  4. Fake news identification

  ### M2: Security Analysis

  1. Secure voice assistant device
  2. Identifying malicious behaviours
  3. Information monitoring for sensitivity analysis
  4. Malware and Spyware detection
  5. Network Intrusion Detection
  6. Building prediction models using cognitive computing
  7. Crime hotspots identification

  ### M3: Process Analysis

  1. Business Decision Process Analysis
  2. Inventory Workflow Analysis
  3. Academic Process Analysis
  4. Product Quality Analysis
  5. ML-based quality testing
  6. Shop-floor optimization
  7. Machine breakdown prediction

M4: Business Analysis

1. Customer Churn analysis
2. Recommendation Solutions for Food-Tech and Edu-Tech companies
3. Crop-insurance estimators
4. Price Optimization analysis
5. Stock Market Data Analysis

M5: Deep Learning/Reinforcement learning Applications

1. Predicting audio/text sequence
2. Child growth prediction
3. Crop health analysis and disease identification
4. Implant condition predictions
5. Automatic annotation of spatial data
6. Hidden pattern identification in genomics data
7. Civil structures health analysis
8. Driver Drowsiness Detection
9. Image Caption Generator/annotations

Hands on experience on Intel One API and Graphcore IPU M2000 machine with POD4

For Further Information, Contact

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