Demand for Expertise in Disruptive Technologies among Technology Professionals

AI/ML Focus Report for Hyderabad Region

IN ASSOCIATION WITH TALENTSPRINT
AI is the Next Industrial Revolution.

Wall Street Journal
Executive Summary

Artificial Intelligence, Machine Learning, and Deep Learning (AI/ML) are disrupting the Software and Services Industry. Whether we realise it or not, a majority of us are already using AI/ML in our everyday life as consumers. Almost every leading organisation or fast-growth startup is adopting AI/ML technologies. However, deep expertise and world-class talent in AI/ML is extremely hard to find. The gap is even more pronounced in India, where historically, the Service Industry has focused on cost arbitrage rather than cutting-edge innovation.

IIIT-Hyderabad Machine Learning Lab, based on its deep research expertise, recently launched the Foundations of Artificial Intelligence and Machine Learning Program in association with TalentSprint. Special Scholarships were announced to encourage Women, Young Professionals, and Startups to participate in the Program. Two concurrent batches with the total strength of 400 working professionals are set to launch on January 6, 2018.

This Focus Report summarises the trends in Hyderabad for deep expertise in the latest AI/ML technologies. The survey insights are based on the interest in AI/ML among working professionals. The data has been anonymized to ensure privacy.

**INSIGHT - 1**
There is a significant interest from professionals with over 10 years experience (33% applicants) and with 5-10 years experience (28% applicants). This indicates a rising urgency among experienced professionals to equip themselves with expertise in emerging disruptive technologies.

**INSIGHT - 2**
There is a significant interest from professionals in Services companies (73% applicants). Finance, Telecom, Education, and other industries contributed the remaining applicants. This may indicate that the Services Industry is most disrupted by the AI/ML wave.

**INSIGHT - 3**
There is an active interest from professionals in Startups and Small Companies (44% applicants). This may indicate that the startup ecosystem is contributing to the rapid adoption of AI/ML technologies, disproportionately in relation to their employee strength.

**INSIGHT - 4**
Experienced male professionals are more eager to master disruptive technologies relative to women and young professionals. This may indicate that these segments need more sensitization and incentivisation on disruptive technologies.
**Gender**

- Male: 88%
- Female: 12%

**Experience**

- **Men**
  - Less than 1 Year: 0.91%
  - 1 - 3 Years: 18.53%
  - 3 - 5 Years: 17.94%
  - 5 - 10 Years: 28.56%
  - More than 10 Years: 34.06%

- **Women**
  - Less than 1 Year: 0.76%
  - 1 - 3 Years: 28.90%
  - 3 - 5 Years: 24.71%
  - 5 - 10 Years: 21.67%
  - More than 10 Years: 23.95%

**Insights**

- Experienced male professionals more eager relative to women and young professionals.
- Significant interest from professionals with over 5 years of experience.
High level of propensity (41% applicants) in professionals with Masters and Postgraduate education

Professionals in the age band of 26-35 most keen to learn the AI/ML technologies
Company Size

- Large: 50.09%
- Medium: 5.99%
- Small: 26.12%
- Startup: 17.79%

Industry

- Services: 73.22%
- Products: 9.83%
- Finance: 5.38%
- Telecom: 3.32%
- Education: 2.67%
- Ecommerce: 1.03%

OTHERS

- Aerospace
- Automobile
- Construction
- Datacenter
- Defence
- Digital Marketing
- FMCG
- Gaming
- Government
- HR
- Hardware
- Healthcare
- IT Infrastructure
- Insurance
- Pharma
- Research
- Retail
- Security
- Staffing

INSIGHTS

- Active interest from professionals in Startups and Small Companies (44% applicants)
- Significant interest from professionals in Services companies
Professionals from leading companies and various industries want to make the best of AI/ML

Almost equal interest among all levels & departments of organisations

Companies from where Professionals have enrolled for this Program

- Founder
- CEO
- CTO
- Vice President
- Assistant Vice President
- Director
- Director Engineering
- Director Software Development
- Technical Director
- Managing Director
- Software Development Director
- Head of Technology
- CoP Head
- Quality Head

- Senior Manager
- Senior Project Manager
- Senior Product Manager
- Senior Staff Manager
- Senior Engineering Manager
- Manager
- Chief Manager
- Deputy General Manager
- Associate Manager
- Program Manager
- Technology Manager
- Development Manager
- Engineering Manager
- Data Manager

- Senior Project Engineer
- Senior Data Engineer
- Senior Associate
- Senior Software Developer
- Senior Software Engineer
- Senior Systems Engineer
- Senior Application Developer
- Lead iOS Developer
- Developer
- SAP Developer
- Full Stack Web Developer
- Associate Developer
- Principal Software Engineer
- Research Engineer

- Scientist
- Senior Analyst
- Senior Consultant
- Senior Managing Consultant
- Senior Principal Statistician
- Senior Professional Application Delivery
- Senior Software Analyst
- Senior Support Consultant
- Senior Technology Specialist
- IT Senior Consultant
- Business Analyst
- Chief Consultant
- Information Technology Analyst
- Assistant Consultant