

DEPARTMENT ACHIEVEMENTS:

- Students have been selected for paid internships with leading organizations
- Students have secured M.Tech. and Ph.D. admissions in leading IITs, NITs, and IIITs.
- Creates opportunities for Innovation
- MoUs signed with leading industry and technology organizations

CAREER PATHWAYS:

1. SOFTWARE & DATA ENGINEERING

- Data Engineer
- Software Developer
- Big Data Engineer
- ETL Developer

2. DATA ANALYTICS

- Data Analyst
- Business Analyst
- Reporting Analyst
- Operations Analyst

3. MACHINE LEARNING & AI

- Machine Learning Engineer
- AI Engineer
- Deep Learning Engineer
- NLP Engineer

4. DATA SCIENCE

- Data Scientist
- Research Scientist
- Statistician
- Quantitative Analyst

5. BIG DATA & CLOUD

- Big Data Developer
- Cloud Data Engineer
- Data Architect
- DevOps Data Engineer

6. DOMAIN & BUSINESS ROLES

- Data Consultant
- Product Analyst
- Marketing Analyst
- Risk Analyst

OUR PAST RECRUITERS:

Amazon	Deloitte	Factset	Wipro
Flipkart	Paltech	Typeface	Covalense
TCS	LTM	Zoho	Nueve Solutions
Infosys	Cisco	Gyandata	Miracle
Capgemini	Darwinbox	Cognizant	Kelton

ROLES OF DISTINGUISHED GVP ALUMNI

Software Engineers & Developers
AI & Machine Learning Engineers
Data Scientists & Analysts
Cybersecurity Professionals
Cloud & DevOps Engineers
Entrepreneur

GVP Estd. 1988



GVPIHLR Estd. 2026

GAYATRI VIDYA PARISHAD INSTITUTE OF HIGHER LEARNING AND RESEARCH

*(Deemed to be University under Distinct Category
under section 3 of the UGC Act, 1956)*

Kommadi, Madhurawada, Visakhapatnam - 530 048, Andhra Pradesh

School of Computer Science and Engineering

Department of Computer Science and Engineering (Data Science)

B.Tech. Computer Science and Engineering (Data Science) (GVPIHLR-North Campus, Kommadi) Brochure

Vision:

- To evolve into an advanced learning centre of Computer Science and Engineering.

Mission:

- To produce highly qualified and motivated graduates possessing fundamental knowledge of Computer Science and Engineering who can provide leadership and service to the Nation.
- To inculcate professional behaviour, strong ethical values and trans-disciplinary research capabilities in the young minds.

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B.TECH. COMPUTER SCIENCE AND ENGINEERING(DATA SCIENCE)

ABOUT GVPIHLR:

Gayatri Vidya Parishad (GVP) is established in 1988 with a service motive, committed to develop education in India. The basic aim is

“to promote, establish, maintain and assist or aid in maintaining educational and other institutions with a view to impart education in all branches in general and in Advanced Technology, Management, Education and Science (including Healthcare) in particular and thus to facilitate securing gainful employment for the youth of the country.”

In line with this and in tune with National Educational Policy 2020, the GVP established Gayatri Vidya Parishad Institute of Higher Learning (GVPIHLR), a distinct university that promotes integration of Multidisciplinary, Interdisciplinary and Transdisciplinary fields. It enables the blend of ancient wisdom and traditional values with modern science and technology for the health and well-being of the society among the youth.

GVPIHLR will provide students with an integrative learning experience that transcends conventional disciplinary boundaries and offers abundant opportunities for academic exploration, innovation, and holistic development. It will foster multidisciplinary and transdisciplinary education and research through flexible curricular structures that enable students to creatively combine diverse disciplinary areas of study and pursue emerging areas of knowledge in multidisciplinary contexts.

Through this integrated academic ecosystem, GVPIHLR enable learners attain critical thinking, creativity, innovation, collaboration, and problem-solving, while drawing upon the strengths of diverse disciplines to address complex societal challenges and contribute meaningfully to the advancement of knowledge and the well-being of society.

SCHOOLS UNDER GVPIHLR:

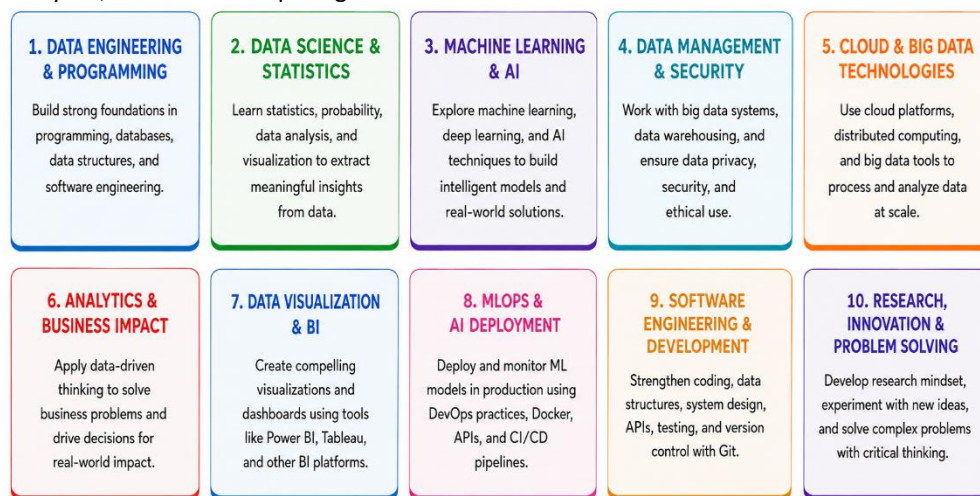
- School of Arts and Humanities
- School of Chemical, Mechanical and Civil Engg.
- School of Electrical and Electronics Engg.
- School of Commerce and Management
- School of Computer Science and Engg.
- School of Sciences

UG PROGRAMS UNDER SCHOOL OF COMPUTER SCIENCE AND ENGINEERING:

- B.Tech. in CSE
- B.Tech. in CSE (AIML)
- B.Tech. in CSE (Data Science)
- B.Tech. in CSE (Cyber Security)
- B.Tech. in CSE (Cyber Forensics)
- B.Tech. in IT

WHY COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)?

Computer Science and Engineering (Data Science) combines core computer science with data-driven problem solving, preparing students for modern technology and AI-driven industries. It offers diverse career opportunities in Data Science, AI/ML, Data Engineering, Analytics, and Cloud Computing.



PROGRAMME OBJECTIVES

- ☐ To solve real-world problems and communicate insights.
- ☐ Develop professional, entrepreneurial, teamwork, and communication skills.
- ☐ Pursue lifelong learning through training and certifications.
- ☐ Pursue higher studies and careers in data science and research.

PROGRAMME FEATURES

- Professional Core
- Professional Electives
- Skill Courses
- Open Electives
- MOOCs / SWAYAM
- Honors / Minors

CORE LEARNING AREAS / CORE SKILLS

Programming and computational thinking • Data structures and algorithms • Database Management & SQL • Data science & analytic • Statistics & Probability • Artificial Intelligence & Machine Learning • Big Data Analytics

CORE SKILLS: Programming and Problem solving, Data Analysis & Visualization, Predictive Modelling.

MODERN TOOLS & COMPUTATIONAL EXPOSURE

• Python • Big Data Technologies • AI & Data Science Tools • Cloud computing platforms

LEARNING BEYOND THE CLASSROOM

• Project based learning • Internships • Workshops • Guest Lectures • Hackathons