Sandeepta Kumar Behera

Balasore, Odisha

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Education

Indian Institute of Information Technology, Design and Manufacturing — **Aug 2023 – Jul 2025**
Master of Technology in CSE (AI & ML) | CGPA: 6.5/10 (Current) — *Jabalpur, Madhya Pradesh*

National Institute of Technology — **Aug 2015 – Jul 2019**
Bachelor of Technology in FPE | CGPA: 7.37/10 — *Rourkela, Odisha*

Experience

Research | *Exploring the Impact of Adversarial Attacks on ML Models in SD-IoT Systems (Cont.)* — **Aug'24 – Jul'25**
- Conducting research on adversarial attacks in SD-IoT systems, using Mininet for simulation, Wireshark for network traffic analysis, and employing DNN-based feature extraction with SVM for classification of attacks.

System Engineer Trainee | *Infosys Ltd., Bangalore* — **Feb – Dec, 2020**
- Trained in business communication, behavioral and presentation skills, data privacy and security guidelines, followed by hands-on learning in Python, OOP, DBMS, Software Engineering, testing (manual & automation), and agile practices.

Projects

Distributed File Sharing System | *Distributed Systems* — **Jan – Apr, 2024**
- Built a file sharing system using Flask servers and a Load Balancer to handle uploads and downloads smoothly.
- Used dynamic load balancing to improve speed, handle server failures, and make the system scalable.

Design and Development of Cabbage Shredding Machine | *Product Development Project* — **Aug'17 – Apr'18**
- Made a safe and portable cabbage shredder using mild steel, with parts designed in SolidWorks.
- Tested in real conditions; made work 10 times faster and showed 50% more income potential for busy food stalls.

Certifications

Data Analysis with NumPy, Pandas, and Python | *Scaler* — **Feb 2025**
- Mastered data analysis, manipulation, and visualization using Python libraries, including NumPy and Pandas.

Leveraging AI for Information and Cybersecurity | *EICT Academy, IIITDM Jabalpur* — **Jan – Feb, 2025**
- Completed a 40-hour intensive program on AI applications in cybersecurity, covering attack detection, IoT security, adversarial ML, TinyML, and hands-on training with Mininet, Wireshark, Scapy, etc.

Technical Skills

Languages: C, Python, SQL
Libraries & Frameworks: TensorFlow Lite Micro, NumPy, Pandas, Matplotlib, Seaborn, TensorFlow, Keras, Scikit-learn
Tools & Platforms: VMware, Linux, Mininet, Wireshark, Scapy, Nano, Cisco Packet Tracer, Tinkercad, SolidWorks
Productivity & Automation Tools: MS Office, LaTeX, Google Apps Script

Soft Skills & Interests

Soft Skills: Leadership, Organised, Adaptable   **Hobbies & Interests**: Cooking, Photography, Research

Positions of Responsibility

Volunteer Roles during M.Tech at IIITDM Jabalpur — **2023 – 2025**
- Volunteer for the FDP on "Leveraging AI for Information and Cybersecurity" (Jan–Feb, 2025), organized by EICT Academy, IIITDM Jabalpur under MeitY, Govt. of India. Also volunteered in a national-level workshop on CS curriculum development (May 2024), organized by IIITDM Jabalpur and VBUSS under NEP-2020.

Leadership & Coordinator Roles during B.Tech at NIT Rourkela — **2015 – 2019**
- Cultural Secretary of Homi Bhabha Hall of Residence (2018–19); Event Management Coordinator for NITRUTSAV (Feb 2018); Event Management Coordinator for VRIDDHI (Jan 2018); and active volunteer/organizer in institute-level events such as the Mass Walk for Unity and Health (Jan 2018) and World Food Day (Oct 2017).