

Neeraj Kumar

Artificial Intelligence

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HACKERRANK | LINKEDIN | GITHUB

EDUCATION

CENTRAL UNIVERSITY OF KARNATAKA

BACHELOR OF TECHNOLOGY ELECTRONICS AND COMMUNICATION

Percentage: 61.50%

June 2016 - August 2020

Kalaburagi Karnataka, India

CENTRAL UNIVERSITY OF KARNATAKA

MASTER OF TECHNOLOGY INFORMATION AND COMMUNICATION TECHNOLOGY

Percentage: 85.80%

September 2020 - June 2021

Kalaburagi Karnataka, India

INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY, BHUBANESWAR

August 2023

August 2021 -

ELECTRONICS AND TELECOMMUNICATION DOCTORATE OF PHILOSOPHY

Percentage: 76.70%

Bhubaneswar, Odisha

EXPERIENCE

BSNL | TRAINING

New Delhi, India | May / 2018 – June / 2018

Maximised customer engagement and satisfaction by delivering excellent customer service.

I learned about MPLS-VPN SDE(NIB), Transmission in SDE and SDE in Dense Wavelength Division Multiplexing (DWDM)

Network Design using Cisco Packet Tracer. Maximised customer engagement and satisfaction by delivering excellent customer service. I learned about MPLS-VPN SDE(NIB), Transmission in SDE and SDE in Dense Wavelength Division Multiplexing (DWDM) Network Design using Cisco Packet Tracer.

Skills: Computer Networking Dense Wavelength Division Multiplexing (DWDM) MPLS VPN Cisco Packet Tracer Terminal Networking Routing Router Configuration

INDIAN INSTITUTE OF TECHNOLOGY, HYDERABAD | SUMMER INTERN Hyderabad, India | May / 2019 – Jul / 2019

- Learning Linux i.e Ubuntu
- Interfaced an Arduino UNO, a Raspberry Pi, and an ESP32 for robotics automation.
- Python development
- Skill: Overleaf, Google Colab, Termux

VANILLAS TECHNOLOGIES | WEB DEVELOPER

Ghaziabad, India | April / 2020 – June / 2020

- Web development

TIHAN-IIT HYDERABAD | PROJECT INTERN

Hyderabad, Telangana, India | JULY/2021 – AUGUST/2021

Using Linux terminal, We interfaced an Arduino UNO, a Raspberry Pi, and an ESP32 for robotics automation, i.e., Automation of a Robotic car and a Quadcopter.

- Python development using Geany software

AGILO RESEARCH PRIVATE LIMITED | ARTIFICIAL INTELLIGENCE AND ROBOTICS TRAINER

Delhi, India |

March / 2024 – August / 2024

- Develop and deliver capacity-building programs on Coding, AI, and Robotics for teachers (grades 3-12) using experiments and hands-on activities.
- Deliver engaging and effective Robotics and AI lessons for students (grades 3-12), ensuring comprehension and participation.

- Maintain progress reports for each capacity-building program and report findings to school authorities.
- Manage year-long support for partnered schools.
- Register and maintain student records on the online course portal

SKILLS

PROGRAMMING LANGUAGES	Matlab, Python, Linux, C, SQL, R
LIBRARIES/FRAMEWORKS	TensorFlow, Digital image processing, scikit-learn, PyTorch, Keras, NumPy, Pandas, Deep learning, Machine Learning, Transformers (Hugging Face)
TOOLS / PLATFORMS	Cisco Packet Tracer, Anaconda, LaTeX, Jupyter Notebooks, Git/GitHub, Kaggle, Google Colab, VS code, Git, GitHub, Docker, FastAPI, Google Cloud AI Platform, AWS SageMaker, VirtualBox, Kali, Ubuntu, OpenAI, Google Gemini, Terminal
DATABASES	Database Design, SQL, Apache Hadoop, MySQL

PROJECTS / OPEN-SOURCE

Image Processing Toolbox - MATLAB, Deep Learning Toolbox - MATLAB, MATLAB GUI - MATLAB & Simulink

Simulink - MATLAB, MATLAB App Designer, DSP System Toolbox - MATLAB, Deep Learning Toolbox - MATLAB, Signal Processing Toolbox - MATLAB, Audio Toolbox - MATLAB

Antenna Toolbox - MATLAB, Deep Learning Toolbox - MATLAB, MATLAB GUI - MATLAB & Simulink

Cisco Packet Tracer, Terminal

CERTIFICATIONS

- Hybrid Workshop on Entrepreneurship in 21st Century - **E-FLIP MAGAZINE**
- NIST - Cyber Security Framework (CSF) Foundation - **ALISON - FREE ONLINE LEARNING**
- Grid Reliability and its vital signs - **IEEE**
- Panel Discussion on clean Energy Revolution - **IEEE**
- Computer Network - **SWAYAM MHRD**
- Resources and Environment - **SWAYAM MHRD**
- Online Quiz competition - **IEEE**
- Technical English for Engineer's - **NPTEL**
- Big data computing - **NPTEL**
- Evolution of Air Interface towards 5G - **NPTEL**
- Internet of Things - **NPTEL**
- Better Spoken English - **NPTEL**
- Certificate in c programming - **CLICK@CAREER**
- Graphic Science and Workshops - **KARNATAKA GERMAN TECHNICAL TRAINING INSTITUTE**
- Cutshort Certified Algorithms - Basic - **CUTSHORT**
- Cutshort Certified Python - Advanced - **CUTSHORT**
- CutShort Certified Data Science - Basic - **CUTSHORT**
- Python Basic - **HACKER RANK**
- Problem solving (Basic) - **HACKER RANK**