

Sanjay Kumar

Photonic Engineer

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in Sanjay Kumar Nallabati

👤 OBJECTIVE

Seeking a challenging position to utilize my skills and abilities in a progressive organization that offers scope to apply my knowledge and skills and be a member of a team that dynamically leads towards success and growth of the organization while being resourceful and innovative.

👛 PROFESSIONAL EXPERIENCE

07/2023 – present
Eindhoven,
Netherlands

VTEC Lasers and Sensors

Photonic Engineer

- Responsible for designing, developing, and improving photonic casings
- Adapt in utilizing advanced software and tools such as CAD, FEM, and 3D printing
- Activities in packaging of photonics and electronics in Photonic integrated circuits.
- Strong knowledge of materials science, mechanical design, and thermal management principles
- designing and solving optical devices and systems

02/2020 – 12/2020
Chennai, India

EDP DIO Operational Engineer

Associate Consultant

- Proactively monitoring and fixing the Teradata & UNIX job failures within time frame of SLA.

🎓 EDUCATION

06/2021 – 07/2023
Warangal, India

Masters Of science in technology M.Sc(Tech)

National Institute of technology , Warangal

Grade : 7.8

06/2016 – 05/2019
Visakhapatnam, India

Bachelors of Science

Aditya Degree College

Grade: 8.7

🧠 SKILLS

- Good Leadership Qualities
- Problem Solving Skills
- Good Communication Skills

🏆 AWARDS

05/2020

Spot Award

Atos Syntel

Recognition of activities in clearing backlogs and meeting SLA's

LANGUAGES

English	● ● ● ● ●	Hindi	● ● ● ● ●
Dutch	● ● ● ● ●	Telugu	● ● ● ● ●

CERTIFICATES

Udemy Certification in Solidworks

Maste Solidworks to the Associate
Certification Level

Introduction to unity for Absolute Beginneers

PROJECTS

02/2023 – 07/2023	Integration of modulators, lasers in transceiver and testing upto 100Gbps. Vtec Lasers & Sensors, Eindhoven, Netherlands <ul style="list-style-type: none">• worked on the Integration of Active and Passive components and MZM modulator to be used in data communication modules for data centres.
05/2022 – 07/2022	Free Space Optical Alignment LightSpeed AI labs <ul style="list-style-type: none">• worked on free space optical alignment using TOSA and ROSA modules and measured output signals using oscilloscope.• Analyzing and measuring spot size of laser at different points in between TOSA and ROSA using MATLAB
05/2021 – 07/2021	Designing AR/VR lab environment using Unity Unity Developer Intern <ul style="list-style-type: none">• Creating an open-source portal offering an organised bank of videos with 360° virtual reality medium with multilingual support.

TECHNICAL SKILLS

Lens Designing and Optimizing Zemax Optic Studio, Synopsys, ASAP	● ● ● ● ●	Mechanical 3D Designing SolidWorks, AutoCAD, NX	● ● ● ● ●
Ansys Workbench, Icepak, HFSS, Lumerical	● ● ● ● ●	PDK Flows Klayout, Python	● ● ● ● ●

SOFTWARE SKILLS

C++ Worked in minimax algorithm project	● ● ● ● ●	C# , .NET Worked in internsihp as AR/VR unity developer	● ● ● ● ●
Python, Numpy, Pandas	● ● ● ● ●	SQL Teradata,Hadoop environment	● ● ● ● ●