

MAHESH KUMAR PANDA

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EDUCATION

National Institute of Technology Karnataka <i>M.Tech in Material Engineering: CGPA : 8.53/10</i>	Surathkal,Karnataka <i>Aug'2021 - May'2023</i>
Indira Gandhi Institute of Technology <i>Bachelors in Mechanical Engineering: CGPA : 7.65/10</i>	Sarang,Odisha <i>Aug'2013 - May'2017</i>
Narayana Junior College <i>Intermediate: Percentage : 95.6%</i>	Vishakhapatnam,Andhrapradesh <i>Aug'2011 - May'2013</i>
V V K Sisu Mandir <i>Schooling : Percentage : 89.7%</i>	Sompeta,AndhraPradesh <i>Aug'2006 - May'2011</i>

PROJECTS

Predicting the behavior of in-flight particles and coating properties deposited by the HVAF technique. <i>Machine Learning</i> <ul style="list-style-type: none">This is a multi-label and regression problem that predicts temperture and velocity of particles which is coated on SS using HVAF.Nozzle is generated using CFD which is used to generate data.	
Classification of Covid-19 and Community-acquired pneumonia using CT scan Images <ul style="list-style-type: none">This is a three-class classification problem where we classified whether a sample is Covid,CAP or Normal.We have used VGG-16 CNN with transfer learning and trained the model for 30 epochs with batch size 32.	
Spleen segmentation using CT Scan Images <ul style="list-style-type: none">Designed a U-Net model with 4 layers in the encoder and 4 layers in the decoder along with the skip connections.Trained the model using the Spleen CT Scan Images along with the mask.	

WORK EXPERIENCE

Bhusan Power and Steel Limited <i>Jharsuguda</i> <ul style="list-style-type: none">Responsible for maintaining and repairing of machine required day to day working.Analysis of Machine failureSupervise and monitor the work of technicians.	<i>(Jun'17-Nov'18)</i>
Hindustan Aeronautical Limited <i>Koraput</i> <ul style="list-style-type: none">Worked as Intern.	

COURSES AND TECHNICAL SKILLS

<ul style="list-style-type: none">Languages: PythonDeep Learning Frameworks: TensorFlow,Keras and Sklearn.Database: MYSQL.Libraries: Pandas, NumPy, MatplotlibModelling Softwares: CREO/Pro E, Auto CADSimulation Softwares: ANSYSOperating of Industrial Robots and Its Programming	
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ACHIEVEMENTS

<ul style="list-style-type: none">Qualified in GATE 2019 ExaminationCleared in State Sachivalayam Exams.Secured Overall 63rd Rank in OJEE.	
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RELEVANT COURSEWORK

<ul style="list-style-type: none">Courses:Data Science,Machine Learning and Algorithms	
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POSITIONS OF RESPONSIBILITY

<ul style="list-style-type: none">Branch RepresentativeTeaching Assistant for Intermediate students, Physics.	<i>(Aug'21 - Present)</i> <i>(Jan'19 - May'21)</i>
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LANGUAGES KNOWN

<ul style="list-style-type: none">English,Hindi,Telugu,Odia	
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