Dewangshu PANDIT
Senior Software Engineer (5 Yrs Experience)

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I always want to be a part of an organization which enhances my potential to the extent where I could be responsible and a successful professional.

💼 PROFESSIONAL EXPERIENCE (5 YEARS)

Apr-2021 Till Date | **Knowledge Lens Pvt Ltd | Sr. Software Engineer, ,**
> Python development
> Python Web app, Flask, web service
> GLens
> URL : "`http://www.knowledgelens.com`"

`PyCharm` `python` `Django` `Rest API` `HTML5` `CSS3` `Bootstrap` `Jquery` `AJAX` `Android App` `Matplotlib` `MySql` `PHP` `Arduino` `ESP8266` `RasberryPi` `Windows Server` `Linux`

Apr-2018 Till Date | **CSIR-Central Institute of Mining and Fuel Research,Dhanbad | Software Engineer, P.A.L-III, Team Leader**
> Full Stack Development
> Python Web app development,Database Management, Android App Development
> Digital Mine using Internet of Things (IoT), Sponsored by : MeitY
> Weather Monitoring System using temperature,humidity,PM2.5,PM10 etc sensor
> Soil Health Monitoring System
> Gramin e-Bazar, Project Sponsored by : MeitY
> URL : "`http://www.cimfr.nic.in`"

`PyCharm` `python` `Django` `Rest API` `HTML5` `CSS3` `Bootstrap` `Jquery` `AJAX` `Android App` `Matplotlib` `MySql` `PHP` `Arduino` `ESP8266` `RasberryPi` `Windows Server` `Linux`

Mar-2016 Apr-2018 | **Lexicon Consultants Pvt Ltd, Ranchi, |, Asst. Software Engg.**
> Front-end and Back-end development,CMS, UI/UX design, Android development
> Institute Management System
> Online Examination Portal
> Stock and Inventory Application
> Office Management System
> Society Management Application
> Personal Tracking System
> URL : "`http://www.lexiconconsultants.com`"

`Windows` `Linux` `NetBeans` `PHP` `HTML5` `CSS3` `Bootstrap` `Jquery` `AJAX` `.NET` `MySql` `c` `Java` `Android`

≣ SKILLS

Programming	**Python**, **PHP**, Microsoft .Net (**C#**), **C**, C++
Frameworks	Django, Flask, Codiegnitor, AngularJS
Scripting and Tools	JavaScript, JQuery, **AJAX**, HTML5, CSS3, Bootstrap, Arduino,RasberryPi,Matplotlib,Octave,Machine Learning
Database	MySQL,Microsoft SQL Server,MongoDB, PostgreSQL,Elastic Search
OS,IDE and other	**Windows/Ubuntu**, **Windows Server** , **Linux**, **Visual Studio**, LAMP/WAMP, Ecllipse, Android Studio, NetBeans, git,github,BitBucket,AWS,Heroku,PythonAnywhere,esp8266,MQTT,Thingspeak,AdafruitIO
Hardware and Networking	PC/Laptop maintaince

troubleshoot,installation,LAN,WiFi setup

📖 PUBLICATIONS

2020	Research Paper ||t-SNE and variational auto-encoder with a bi-LSTM neural network-based model for prediction of gas concentration in sealed-off area of underground coal mines
2020	Research Paper || UMAP and LSTM neural network based fire status and explosibility prediction for sealed-off area in underground coal mine (Published : 4.96 Impact Factor
2019	Patent No:0002NF2020 || Digital mine using Internet of Things || Dated:07-Jan-2020
2019	Patent No:0006NF2020 || Portable Weather and Environmental Monitoring System || Dated:09-Jan-2020
2019	Copyright No:007CR2020 || DM-Digital Mine Software
2019	Copyright No:008CR2020 || MEMP-Mine Environment Monitoring and Prediction Software

🎓 EDUCATION

2013 – 2016 | MCA | Dept. of Maths and MCA , RANCHI UNIVERSITY, Ranchi
> CGPA-7.9 , Percentage-78.12
> Website:"http://rumathmca.com/

`C` `C++` `Algo` `DS` `Software Engineering` `Java` `DBMS` `OS` `Computer Network` `Web Tech`

2012 – 2009 | B.Sc(IT) | NIIT Dhanbad , KUVEMPU UNIVERSITY, Karnataka
> Grade-B , Percentage-66
> Website:"www.kuvempu.ac.in

`C` `Algo` `.net` `DS` `Software Engineering` `Java` `DBMS` `OS` `Networking` `ASP.NET` `SQL Server`

2006 – 2009 | I.Sc. | Doranda College , RANCHI UNIVERSITY, Ranchi
> Percentage-60
> Website:"www.dorandacollege.com/

`PHY` `CHE` `MAT` `ENG` `ECO`

🎓 CERTIFICATIONS

2020	Python for Data Science ||NPTEL-IIT Madras|| Verify : "https://nptel.ac.in/noc/Ecertificate/?q= NPTEL20CS36S1PC808874
2020	Python for Data Science and AI ||Coursera -IBM|| Verify : "https://www.coursera.org/account/ accomplishments/verify/BYA5ZE3ZUVX2
2019	Machine Learning ||Stanford University|| Verify : "https://coursera.org/share/ 201e35ff96bd3057f8a976b9f6b8c3a4
2019	Python Programming-A Concise Introduction || Wesleyan University || Verify : "https://www.coursera. org/verify/Q572C8K7YS6C

🎓 TEACHING AND MENTORING

April-2012 – March-2013 | NIIT Hazaribag Centre | Software Faculty , ,
> Theory Classes
> Practical Classes

`C` `C++` `C` `Java` `ASP.NET` `.net GUI Application` `RDBMS` `OS` `Computer Network`

🖥 PROJECTS

Digital Mine using Internet of Things (IoT) | R&D ,Industrial Project, Sponsored By:MeitY

2018 - 2020

 comming soon   Demo

This project includes Miners Module(Keep online record of different miners of different Mine with role and hierarchy and attendance medical rules etc), Mine Gas Monitoring, Miners Tracking, Strata Module,Act/Rules/Regulations Module,Machine Health Monitoring etc.Flammable gas data predict using Machine Learning

Python | Django | MySQL | ML | Google API | Matplotlib | AJAX | JQuery | HTML5 | CSS3

Slope/Landslide Monitoring System | MQTT based Project

2020 - 2020

 visit   Demo

This project monitoring the SLOPE or Landslide area in which different sensors(Tiltmeter,Inclinometer,Rainguage,Pizometer and Crack-o-meter)are connected to different area/location and continiously send the data using MQTT architecture and monitor using Software

Python | Django | MySQL | ESP8266 | ThingspeakAPI | AJAX | JQuery | HTML5 | CSS3

Weather Monitoring System | R&D ,Industrial Project

2018 - 2019

 comming soon   Demo

This system is used as the automated weather station tool for the system development.It consist various sensors like Rain,Humidity,WindSpeed,WindDirection,PM2.5,PM10 etc , and data acquisition is done by wireless network display live data and generates different types of reports also predict using Machine Learning.

Python | Django | MySQL | Google API | Matplotlib | AJAX | JQuery | HTML5 | CSS3 | Android App

Institute Management System | ERP Project

2016 - 2018

 www.imsportal.in

An ERP Software system in which you can run and manage multiple institution/school/college.In this system you can access Staff details,Staff/student leave system,HRMS,attendance,payroll,teacher timetable etc

PHP | CodeIgnitor | MySQL | JQuery | HTML5 | CSS3 | Bootstrap | AJAX

Gramin Mitra | Govt.E-Bazar Project, Sponsored By:MeitY

2018 - CURRENT

 https://graminmitra.in/

An E-Marketing and facillation system project at CSIR-CIMFR sponseroed by MeitY.

PHP | CodeIgnitor | MySQL | JQuery | HTML5 | CSS3 | Bootstrap | AJAX | Wordpress

Jharkhand Milk Federation | Tracking Project

2017 - 2018

 http://jmf.lexiconcpl.com/

This is a tracking application keep track of current location and other details like speed,distance calculation and many more

PHP | CodeIgnitor | MySQL | JQuery | HTML5 | CSS3 | Bootstrap | Android

Online Examination System | ERP Exam Portal

2017 - 2018

 http://cybernet.testcorner.in/TestBundlETest/home

This project includes online test for different subjects,modules,stream like bank PO,clerk,other govt comp. exam for free as well as paid membership

PHP | CodeIgnitor | MySQL | JQuery | HTML5 | CSS3 | Bootstrap | AJAX | Web Service

Office Management System | ERP Portal

2016 - 2018

 http://oms.lexiconcpl.com/

This project includes various modules like EMS,Attendance,Payroll,Work Activity of Staff,Office Assets management,various reports etc.

PHP | CodeIgnitor | MySQL | JQuery | HTML5 | CSS3 | Bootstrap | AJAX | Web Service

❝ References

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