

NEERAJ GIRI

Software and Data enthusiast, Technical Hoarder & Proud Geek

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EXPERIENCE

Software Development & Data Science

Valiance Solutions

May 2017 – June 2017 Noida, India

- Designed a web interface tool for a deep learning module in which the user can upload images and extract handwritten characters.
- The tool was developed using Django as primary web framework with monitoring tool using Ajax while writing extracted contents to MySQL database.

Software Development & Mineral Economics

Minpol GmbH

May 2018 – June 2018 Vienna, Austria

- Devised a robust Database framework to hold, analyze, visualize and gain insights from historical mineral and price data sets.
- Created Mobile Application to develop it as a product, added features like shopping cart, blogs, and news related to mineral economics.

Software Development

SquareTech

July 2018 Pune, India

- Developed and Designed an Event Ticket booking application with Java and state of the art open source libraries in Android.
- Developed its Backend using Django and Rest framework, added Industry standard authentication system.
- Implemented features such as getting location-based events, Payment Gateways. Used AES encryption standard to encrypt data in QR code and created end-to-end encryption between users and organizers of the event.

PROJECTS

Digital Sweeper

Hackocracy, Hackerearth

Aug 2017 – Sept 2017 Kharagpur, India

- Developed a Social Initiative Application, using crowd sourcing to update and monitor the cleanliness in a given area.
- An idea to monitor realtime waste management with the help of GPS and Computer Vision Techniques.
- It prompts people to click and post pictures of waste dumps which can be analyzed in real time to have it updated on a map view.

IndicoIn

Blockchain, Android & Backend

Nov 2017 – Dec 2017 Kharagpur, India

- IndicoIn is a platform-independent, autonomous social service DApp for a community who really want to contribute for the society.
- Designed and conceptualized an Alpha version of the prototype for the blockchain service.

EDUCATION

B.Tech & M.Tech in Mining Engineering

IIT Kharagpur

July 2014 – May 2019

ACHIEVEMENTS



Appathon, Technex – IIT BHU

Secured Runner-up position at Appathon, organized by Technex, IIT Varanasi and Hackerearth



GREATSTEP, NMIC–IIT Kharagpur

Developed as a part of National Mining Innovation Challenge, a monitoring application for mining personnel to facilitate the process of data collection.

STRENGTHS & SKILLS

Android Development

Web Development

Machine Learning

Photoshop

DevOps

Node Js

Tensorflow

Keras

Pandas

Scikit Learn

Numpy

Django

Angular Js

LANGUAGES

Python

Java

Javascript



COURSEWORK

- Cryptography and Network security
- Data Structures and Algorithm
- Numerical Modelling
- Geostatistics

EXTRA-CURRICULAR

Web Team Head

Kshitij IIT Kharagpur

Aug 2016 – April 2017