Pulkit Mishra

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EDUCATION

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY
BTech in Computer Science and Engineering
Expected June 2021 | Kalyani, West Bengal
Cum. GPA: 9.2

SWARAJ INDIA PUBLIC SCHOOL
Kanpur, India
Percentage : 96.5

LINKS

Github:// **PulkitMishra**
LinkedIn:// **pulkit-mishra**
Medium:// **pulkitmishra**
Codechef:// **thecodebook**

COURSEWORK

UNDERGRADUATE
Programming in Python
Programming in C
Programming in Java
Data Structures and Algorithms
Object Oriented Programming
Operating System
Numerical Methods
Probability and Statistics
Linear Algebra
Discrete Mathematics

BEYOND THE CURRICULUM
Python
Django
Machine Learning
Convolutional Neural Networks for Visual Recognition
Machine Learning for coders

SKILLS

LANGUAGES
Over 10000 lines:
Python • C • Java • HTML • CSS
Over 5000 lines:
JavaScript • Postgresql • MySQL
Familiar:
C++ • Shell • Solidity • Assembly

OTHERS
Tensorflow • Keras • Scikit-Learn • Django • Flask • OpenCV • PyQt • Truffle • Folium • Alexa Skills

PROJECTS

SOCIAL NETWORK FOR LITERATURE ENTHUSIASTS
Django, Python, HTML, CSS, Javascript, MongoDB
July 2018 - August 2018
- Platform to share and read poems, novel extracts and other literary pieces.

Internship Offer
September 2018
- Received an internship offer from MartianN.

SMART AND SECURE SHOPPING SYSTEM
Internet of Things, Raspberry Pi, RFID, Android, Firebase
November 2018
- Eliminates the need of a queue in shopping malls by automating billing process while simultaneously helping in inventory management.

E-TENDERING ON BLOCKCHAIN
Blockchain, BigchainDB, Inter Planetary File System
January 2019
- Automates the process of tendering and makes it secure and transparent.

AI POWERED COUNSELLOR FOR DETECTING AND CURING DEPRESSION.
Artificial Intelligence, Machine Learning, Alexa Skills
February 2019
- Detects the possibility of depression by detecting abnormality in behaviour and applying sentiment analysis on social media profile.
- Suggests location based activities to improve the user's mood and therapy recommendations.

AI POWERED WEARABLE TO ASSIST THE VISUALLY IMPAIRED.
Artificial Intelligence, Alexa Skills, Raspberry Pi
March 2019
- Environmental Analysis to give the visually impaired a brief summary of his/her surroundings.
- Identifies objects and faces of known people(friends and relatives) and informs about their presence

CI/CE EXCLUSIVELY BUILT FOR MACHINE LEARNING
Machine Learning, Jenkins
March 2019
- Fills the gap between traditional CIs and Data Science
- Provides data visualization and version controlling of models

MOTION DETECTOR
OpenCV, Bokeh
July 2018
- Detect motion in a live video and plot graphs accordingly.

FOSC WEBSITE OF IIIT KALYANI
HTML, CSS, Javascript
June 2018
- Developed the website of Free and Open Source Club of IIIT Kalyani.

HACKATHONS

HACK-A-BIT
BIT MESRA, RANCHI
November 2018
- Most innovative hardware hack

IHACK
INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY
January 2019
- Successful Participation

CODEUTSAVA 3.0
NATIONAL INSTITUTE OF TECHNOLOGY, RAIPUR
February 2019
- Second Runners Up

HACKFEST
INDIAN INSTITUTE TECHNOLOGY, DHANBAD
March 2019
- Among the Top Twenty Hacks

HACK IN THE NORTH
INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, ALLAHABAD
March 2019
- Among the Top Ten Hacks

WORK EXPERIENCE

SUPERBOLTER
SOFTWARE DEVELOPMENT INTERN
June 2019 - August 2019
- Recommending the best room images to customer on the basis of text description depending on interior design style and furniture.
- Conversion of floorplan images into vector-graphics representation.
- Improved the web crawler by bypassing crawl block.

MACHINE ORIGIN
DEEP LEARNING INTERN
September 2019 - October 2019
- Detection of action sequences and celebrities in videos.
- Humour detection in videos.
- Highlight generation of sports videos.
- Video genre classification.

VOLUNTEER WORK

THINK. ACT. RISE. FOUNDATION
PYTHON DEVELOPER
September 2019 - November 2019
- Scrap data of Indian Villages along with their GPS coordinates.
- Cleaned data of 2011 India Census.

OPEN SOURCE CONTRIBUTIONS

AEROSPACERESEARCH.NET
ACTIVE CONTRIBUTOR
December 2018 - May 2019
- Worked on an equation solver and visualizer, which aims to help in grasping how mathematical equations are transformed and solved.

EXTRA CURRICULAR ACTIVITIES

2019	Vice President	Student Government Body IIIT Kalyani
2019	Member	Institue Innovation Cell IIIT Kalyani
2018	Creative Head	Udaan, Literary Club IIIT Kalyani
2018	Member	Free and Open Source Club, IIIT Kalyani
2016	Winner	Tech Talk Debate, Comfest
2015	School Captain	Head of School Government Association
2015	Winner	Frank Anthony Memorial Debate
2014	Runners Up	ASISC Declamation Nationals
2014	Runners Up	ASISC Debate State Level
2013	Winner	Inter SAARC poetry competition