

# Narayan Jangid

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## EDUCATION

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- **Indian Institute of Science Education and Research Kolkata** Kolkata, India  
• *BS-MS Dual Degree; CGPA: 7.08* Aug 2017 - July 2022  
• *Major: Geological Sciences*  
• *Minor: Physical Sciences*  
• *Courses: Analysis I & II, Applied Micro-Econometric, Linear Algebra, Probability, Research Methodology, Programming and Data Structures I*

## SKILLS SUMMARY

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- **Languages:** Python, SQL, R, MATLAB
  - **Frameworks:** Scikit, PyTorch, Pandas, Matplotlib, Seaborn, NLTK, SpaCy, TensorFlow, Keras, Django
  - **Tools:** GIT, MySQL, LaTeX, Power BI, Tableau, MongoDB, MS Excel, VBA
  - **Soft Skills:** Leadership, Event Management, Writing, Public Speaking, Time Management

## PROJECTS

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- **Vison - multimedia search engine (NLP, Search Engine, Web Crawlers, Multimedia Processing):** (Work in progress) Research oriented, open source, search engine for bringing reverse multimedia search to small & mid scale enterprises. Tech: Python, NodeJS, Intel OpenVino Toolkit, Selenium, TensorFlow (October '18)
  - **Reinforcement Learning based Traffic Control System (Reinforcement Learning, Computer Vision):** AI model to resolve city traffic around 50% faster. Tech: Python, Alibaba Cloud, Raspberry Pi, Arduino, SUMO & OpenCV. (August '18)
  - **Panorama from Satellite Imagery using Distributed Computing (Distributed Computing, Image Processing):** Images clicked using drones, provided by ISRO were stitched together using distributed public compute nodes, effectively bringing down processing time exponentially. Tech: PHP, C++, Java, Python (March '18)
  - **Drag-n-drop machine learning learning environment (Web Development, Machine Learning):** Scratch like tool for implementing machine learning pipelines along with built in tutorial for each concept. Tech: Python, JavaScript (September '18)
  - **Search Engine and Social Network(Web Development, Web Crawler, Search):** Created from scratch a social network and a search engine based on the idea of integrating Facebook and Google. The launched website was among top 1000 websites in India during 2012-2013. Tech: PHP, MySQL, HTML, CSS, WebSockets, JavaScript, RSS, XML ( May '12)

## CERTIFICATIONS

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- **Book: Deep Learning on Web (Web Development, Deep Learning):** Work in Progress book to be published by Packt Publishing in late 2019. Tech: Django, Python, AWS, GCP, Azure (November '18)
  - **Book: Deep Learning on Mobile Devices (Flutter App Development, Deep Learning):** Work in Progress book to be published by Packt Publishing in late 2019. Tech: Flutter, Android, Firebase, TensorFlow, Python, Dart (December '18)

## HOBBIES

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- I have a keen interest in finance and regularly keep up with industry news and developments
  - Gym, Cricket, Long Distance Running
  - Gaming, Coding

## VOLUNTEER EXPERIENCE

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- **Volunteer at IISER Kolkata** Kolkata, India  
• *Empowering children of the underprivileged and rock bottom strata of the societies.* Aug 2019 - July 2022
  - **Convener of "JunkYard Wars" a event of Inquivesta 9.0 (Institute fest), IISER Kolkata** Kolkata, India  
• *Organized events, conducted workshops and delivered workshops reaching over 7000 developers.* March 2019