Nidhi Ranjan

MS CS Graduate @ NYU Courant · Analyst · Machine Learning Enthusiast

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Education

New York University	*New York, USA*
MS CS at NYU Courant	*Jan 2021 - Dec 2022*

National Institute of Technology Goa	*Goa, India*
B.Tech. in Computer Science And Engineering	*July 2014 - May 2018*

Responsibilities

Year	Role	Place
2021	**API Developer**, NYU IT - **Summer 21**	*NYU Courant*
2021	**Recitation Leader**, Maths for Economics 2 - **Spring 21**	*NYU Courant*
2020	**Onboarding Buddy ,** New Joiner's Program	*Barclays*
2019	**Coordinator ,** Ways of Working	*Barclays*
2017	**Cultural Coordinator ,** Invictus	*NIT Goa*
2017	**Vice President & Co-Founder,** Aficionado	*NIT Goa*
2017	**Vice Captain**, NIT Goa Girls Basketball Team	*NIT Goa*
2017	**Vice President ,** Computer Science & Engineering Association	*NIT Goa*
2017	**Campus Manager ,** Microsoft Vfest	*NIT Goa*
2016	**Core Committee ,** Project Euler	*NIT Goa*
2016	**Tech Head ,** Technival	*NIT Goa*
2014	**Joint Secretary ,** Computer Science & Engineering Association	*NIT Goa*

Skills

Languages	Java, C/C++, Python, JavaScript
Frameworks	Angular 9, Pytorch, TensorFlow, Pandas, Keras, Scikit-learn , Django, GraphQL, Flask, Spring, Springboot
Database	MySQL, MongoDB, Oracle SQL, PostgreSQL
Tools	AWS (EC2, RDS, S3), Git, Firebase, Matlab, Microsoft Office, Confluence
Certification	Nerual Networks (Coursera), Deep Learning (Coursera), Intel Edge AI Scholarship Nanodegree

Experience

NYU IT	*NY, USA*
API Developer	*May 2021 - Present*

- Worked on NYU dashboard which aggregated request information of all the users
- Modified requests API to append more fields with user information

Barclays	*Pune, India*
Graduate Analyst	*Jul 2018 - Present*

- Redesigned and migrated existing applications in Online Banking from AngularJS to Angular 9, making the user interface very friendly and at par with current design trends
- Contributed to enabling merchants as a business segment for the Online banking platform thereby developing front-end, back-end and authorisation solutions for it. Developed and designed features for merchant on-boarding, overview onto the Online Banking channel, with facilities of download and viewing of transactions. This added around 80,000 customers to the channel.
- Provided a tactical solution for multi business users and implemented new user experience for a Smart Business Dashboard which increased new registrations by 23%.Engineered a new UI/UX for Smart Business dashboard, with flexibility's for online update of personal data, which was earlier available only offline. This new dashboard registered more then 3000 customers in the first week itself.
- Contributed and developed a centralised platform for the development of Restful APIs. Developed Restful API for business instant lending feature, with the fault rate decreasing by 20%
- Developed a central dashboard for managing API, with auto triggering jobs in common error scenarios in-turn eradicating manual intervention

Innoplexus Consulting Services *Pune, India*

SOFTWARE DEVELOPER INTERN *May 2016 - Jul 2016*

- Created a centralized platform for crawling , extracting and unifying pharmaceutical data.
- Automated the ETL(Extraction,Transformation and Load) processes for the pharmaceutical products Oilbird and Touchpoint.
- Utilizing Machine Learning, engineered an universal crawler that crawled data from various sources and accordingly segmented with an accuracy of over 89%.

DSS Group *Goa, India*

SOFTWARE DEVELOPER INTERN *May 2015 - Jul 2015*

- Created a leave portal for online request / cancellation of leave by employees, with real time updates using WAMP stack and PostgreSQL
- Incorporated admin acceptance/cancellation of leave.

Projects

Kartavya

VIDEO SURVEILLANCE FOR COVID 19 SPREAD *Jun 2020 - July 2020*

- Developed a video surveillance application for crowd detection using one shot learning for identifying crowded hot spots during Covid-19
- Also incorporated mask detection in the crowd, crowd density and its segregation on the basis of zones into red/yellow/green based on districts

Classification & Annotation in Medical Image Analysis *NIT Goa, IIT Mandi*

FINAL YEAR THESIS *Aug 2017 – May 2018*

- Constructed a novel approach for classifying H&E stained breast histology microscopy images in four classes: normal, benign, in-situ carcinoma and invasive carcinoma, using CNN's in a hierarchical architecture.
- Approach garnered a 89% accuracy on test data, with a 15 rank worldwide. [Paper Submitted]

Social Media Engager

PERSONAL *Aug 2017 – May 2018*

- Developed a engagements insight tool for social media The tool aggregated information from various social media channels and displayed it in a user friendly manner and provided insights to engagements.

Technival

NIT GOA *Aug 2016 - Oct 2016*

- Established & led a team to develop a web portal for Annual Tech Fest of NIT Goa
- Incorporated features for student on-boarding, event registration, payments, and timely reminders for events.

News Aggregator Web app

PERSONAL *Jun 2015*

- Developed a news aggregator web-app, collecting top news from 20+ sources in real time, displaying information in chronological order, source wise, with additional functionality of sort and filter.

Honors & Awards

2020	**Finalist**, AWS DeepRacer Marathon	*Barclays*
2018	**Finalist**, Programmatics	*Technival, NIT Goa*
2017	**1st Place**, Dramatics	*Raag, NIT Goa*
2014	**1st Place**, All India Inter NIT Dramatics	*NIT Durgapur, India*