Ayushi Nayak

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EDUCATION

TU DUBLIN
MSc. in Computer Science
Jan 2021 | Dublin, IE

BIJU PATNAIK UNIVERSITY OF TECHNOLOGY
BTech. in Computer Science and Engineering
May 2016 | Bhubaneswar, IN
College of Engineering and Technology
Cum. GPA: 8.27 / 10.0

ST. JOHN'S SENIOR SECONDARY SCHOOL
May 2012 | Kota, IN

LINKS

Facebook:// **Ayushi Nayak**
Github:// **Ayushi Nayak**
LinkedIn:// **Ayushi Nayak**
YouTube:// **Ayushi Nayak**
Twitter:// **Ayushi Nayak**

COURSEWORK

GRADUATE
Systems Architecture
Secure Systems Development
Web Applications Architecture
(Research Asst.)
Programming Paradigms
Advanced Databases
Machine Learning
Deep Learning
Working with Data

UNDERGRADUATE
Compiler Design
Theory of Computation
Design and Analysis of Algorithm
Data Structures
Advanced Computer Architecture
Cryptography and Network Security
Data and Web Mining
Operating System

SKILLS

PROGRAMMING
Over 5000 lines:
Python • Javascript • Jupyter NB • LaTeX
Over 1000 lines:
C • C++ • C Sharp • Assembly • Prolog
Familiar:
Go • Java • iOS • Android • MySQL

EXPERIENCE

TATA CONSULTANCY SERVICES PVT. LTD. | Systems Engineer
Mar 2017 - Study Sabbatical | Pune, In
- Core Developer for products optimized using Python and Microsoft Z3.
- Full stack Developer for projects responsible for fixing bugs in UI and upgrading Python backend..
- Published research paper: Approach to Predict the Outcome of an EV Charger Getting Certified.
- Received Special Initiative award within 3 months of joining and On the Spot award from Nissan for quick project delivery.

NATIONAL THERMAL POWER CORP | Industrial Trainee
June 2015 – July 2015 | Mouda, India
- Worked on the most widely installed Customer Mailing System in the organization developed by Bodhtree.
- Wrote a web application using pylons framework to execute the revamped interface to view archives with improved search operations.

ADANI POWER MAHARASHTRA LTD. | Vocational Trainee
June 2015 | Tirora, India
- Learnt to install, maintain and manage networks and IT business systems.
- Designed an MVP for the employment platform to match job providers and seekers which also offered voice interaction.

RESEARCH

SCHOOL OF COMPUTER SCIENCE, TU DUBLIN | Research Assistant
Nov 2019 – Apr 2020 | Dublin, IE
Worked with **Sarah Jane Delaney** to create **HD-Intelligence**, a tool to automate and facilitate the electronic discovery (e-discovery) process including the identification, preservation, collection, processing, review, analysis and production of digital data.

PROJECTS

Year	Project
2020	Haley (ongoing)
2020	People Counter on Edge
2020	Smart Queuing System on Edge

AWARDS

Year		Award
2019	60/2500	Centenary Scholarship Programme for TU Dublin Masters Students
2018	-	TCS On the Spot award
2017	-	TCS Special Initiative award
2012	-	Adani Saraswati Sanman
2010	102/1.8 mil	SSC Merit Scholarship
2008	13/10,000	Vigyan Manthan Lifetime Merit Scholarship

PUBLICATIONS

[1] K. S. Ayushi Nayak. Charger study: A data science approach to predict the outcome of an ev charger getting certified. *International Journal of Science and Research (IJSR)*, 2018.