Arunima Barik

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EXPERIENCE

MAGMA | Full Stack Developer Intern
Jan 2024 – May 2024 | Ahmedabad
- Designed web applications to digitize different verticals of Magma (MagPort, Magma Factory and Magma Green)
- Managed server infrastructure of the company

DE SHAW INDIA | Technology Developer Intern
Jun 2023 – Aug 2023 | Hyderabad
- Worked in Data Technologies related team in Front Office
- Accelerated short SQL queries using Apache Ignite
- Currently Apache Spark takes 1-2 minutes to execute short queries
- Developed a caching layer above the existing database

GOOGLE | Software STEP Intern
May 2022 – Aug 2022 | Bangalore (Remote)
- Worked in Google CloudSearch team
- Designed ingestion flow for FAQs and answers
- Used data sources and search applications

PROJECTS

CIFAR-10 IMAGE CLASSIFICATION | ML HTML CSS JS
Nov 2022 | GitHub
- Takes an image and classifies it into one of the 10 classes
- Uses HOG for feature extraction and PCA for Dimensionality Reduction

BANKER'S ALGORITHM | HTML CSS JS
Apr 2022 | Website
- Generates Safe Sequence for multiple resource requests
- Checks for further resource requests to avoid deadlock

URL SHORTENER | Flask SQLAlchemy HTML BootStrap
Apr 2022 | GitHub
- Encodes a long URL into 6 length alphanumeric string
- Stores the long and corresponding short URL in database

SKILLS

Proficient: C++ | Python | HTML | Tailwind CSS | JavaScript | SQL
Familiar: Java | Bootstrap | ReactJS | Hadoop | Docker

ACHIEVEMENTS

- Recipient of Dewang Mehta IT Awards 2023 for Second position among all B.Tech CSE students
- Secured Second position in MINeD Hackathon 2023 under D360 track organised by Nirma University | Certificate | GitHub
- Secured Third Rank in B.Tech First Year
- CodeChef March Cook Off (Div 2) Global Rank 629
- Codeforces Round 784 (Div 4) Rank 1181

EDUCATION

NIRMA UNIVERSITY
B.Tech in Computer Science and Engineering
Nov 2020 - Jun 2024 | Ahmedabad, Gujarat
9.15 / 10.0

KOKILABEN DHIRUBHAI AMBANI VIDYAMANDIR
Class 12
Apr 2019 - Mar 2020 | Jamnagar, Gujarat
97% | School Rank 5

Class 10
Apr 2017 - Mar 2018 | Jamnagar, Gujarat
98% | School Rank 2

CODING PROFILES

Codeforces: Specialist (1467) arunimabarik
CodeChef: 3 star (1689) arunimabarik
LeetCode: Rating (1743) arunimabarik
HackerRank: ArunimaBarik

COURSEWORK

Data Structures and Algorithms
Object Oriented Programming
Operating Systems | Computer Networks
Database Management Systems
Machine Learning | Deep Learning
Microservice Architecture

CERTIFICATION COURSES

ACCELERATED CS FUNDAMENTALS | University of Illinois
Jan 2023 | Certificate

MATHEMATICS FOR MACHINE LEARNING | Imperial College London
Jan 2023 | Certificate

CLUBS

COMPUTER SOCIETY OF INDIA | Vice President | Nov 2022 - Sep 2023
Organised events to uplift technical and interpersonal skills

CODEADDA CLUB | Club Director | Oct 2021 - Nov 2022
Conducted coding contests and taught competitive programming concepts