



ANURAG GHOSH

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Mughalsarai, Uttar Pradesh

EDUCATION

National Institute of Technology (NIT), Warangal

B. Tech - Chemical Engineering

May 2025

CGPA: 7.23

Universal Public School, Chandauli

Intermediate – Physics/Chemistry/Mathematics

May 2019

77%

EXPERIENCE

Outlook Publishing Media Pvt. Ltd | Business Analytics Intern

[May 2024 – July 2024]

- **Conducted Data Analysis:** Analyzed sales and marketing data to identify trends and generate actionable insights, contributing to strategy development and decision-making processes.
- **Analyzed Business Performance:** Conducted data analysis using advanced Excel and Power BI to track key performance metrics, leading to data-driven decision-making.
- **Data Visualization:** Created comprehensive dashboards and visual reports to present findings to senior management, enhancing strategic planning and reporting processes.

CERTIFICATIONS

- **AWS Foundational and Architecting Course**
(ETHNUS) [August 2023]

- **Machine Learning Specialization**
(Coursera) [June 2024]

PROJECTS

ProShop – Ecommerce Website | React JS, Node JS, MongoDB, Express JS, Vite, TailwindCSS

2022

- Built a responsive e-commerce website using **MERN** stack (MongoDB, Express.js, React.js, Node.js).
- Implemented **JWT**-based authentication and **bcrypt** password hashing for robust security.
- Developed a fast and efficient admin panel using **Vite** for managing products, users, and orders.
- Integrated **PayPal** for **secure transactions** and multiple payment options.

Fashion MNIST – IMAGE Classification | Convolutional Neural Network

2024

- Designed and implemented a Convolutional Neural Network (**CNN**) using **TensorFlow/Keras** to achieve high accuracy in classifying fashion items.
- Evaluated model performance using metrics like **accuracy**, **precision** and **recall** achieving over 90% accuracy on the test set.
- Created visualizations of model predictions and misclassifications, as well as training progress and feature maps to interpret and analyze the CNN's behaviour.

Online Learning Database - CourseCrafter | Core DBMS, SQL

2024

- Building a professional online learning platform by incorporating **DBMS** and **SQL** understanding.
- Employed advanced **normalization** techniques to ensure data integrity within entities like users and courses.
- Developed an **ER diagram** and relational schema for effective database structure.
- Created optimized SQL queries to extract pertinent information from the database.

SKILLS

- **Languages:** C++, C, Python, JavaScript
- **Data Visualization:** MS Excel, Numpy, Pandas, Matplotlib, Seaborn
- **Core Concepts:** Data Structures and Algorithms (**DSA**), Database Management System (**DBMS**), Structured Query Language (**SQL**), Express, React.js, Node.js
- **Clouds & Databases:** Amazon Web Services (**AWS**), MySQL, MongoDB
- **Machine Learning Algorithms:** Linear Regression, Logistic Regression, Neural Networks, Decision Trees, Random Forest, Clustering, Collaborative Filtering, PCA, Reinforcement Learning, Support Vector Machine
- **Amazon Web Services:** EC2, ELB, CloudFront, DynamoDB, S3, EFS, Lambda, IAM, Guard Duty, Inspector, Cloud Watch, Cloud Trail, AWS Budgets, AWS Cost Explorer

CODING PLATFORMS

- **GeeksForGeeks** | 900+ problems solved
- **CodeForces** | 1471 Rating (Specialist)
- **LeetCode** | 1725 Contest Rating
- **HackerRank** | Problem Solving – (5 Star)

EXTRACURRICULAR

- Schemcon 2022 (Organized by NITW) - Worked as a **Web Developer**
- SpringSpree 2023 (Organized by NITW) - **Subcore Logistics**