DEENA JOSEPH WILSON

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TECHNICAL SKILLS

Programming Languages: C, C++, Python, SQL, HTML, CSS, JavaScript
Coursework: DSA, OS, DBMS, Software Engineering, Object-Oriented Programming, AI-ML
Frameworks: Flask, ASP.NET
Libraries Tools: Scikitlearn, Pandas, Numpy, Matplotlib, NLTK, Spacy, beautifulSoup, Microsoft SQL Server, Oracle, Microsoft Visual Studio, Microsoft Visual Studio Code, Git GitHub, Microsoft Office Tools

EDUCATION

Institute of Engineering & Management, Kolkata   **2021 - 2025**
B.Tech - Computer Science Engineering   *CGPA - 9.50*

WORK EXPERIENCE

Vocational Trainee
HINDALCO INDUSTRIES LTD   *Oct 2023*
- I was dedicated to an industry-level project where, within one month, I learned and applied my skills to contribute to building a web application that would interact with an SQL Server database.
- The tech stacks I used were C#, SQL, and ASP.NET framework.   Link

Senior Subject Matter Expert, Mathematics
HIGGZ ACADEMIA TECHNOLOGY PVT LTD   *Jan 2023 - Aug 2023*
- I dynamically tackled and resolved complex queries in the realms of Linear Algebra, Calculus, and Statistics.

PROJECTS

- **Property Prophet** GitHub
  - The project aimed to evaluate different regression models using a Bengaluru real estate price dataset, focusing on features like BHK (number of bedrooms), total area, and locality.
  - A Gradient Boosting Regressor was implemented for the model training. The model achieved an accuracy of 72.26%.
  - The project included a frontend developed with HTML/CSS and JavaScript, and a backend using a Python Flask server.
- **InboxInsight**
  - The Naive Bayes classifier is efficient because it assumes that the words in an email are independent of each other given the email's spam status.
  - To build the vocabulary, I used Count Vectorization and incorporated Laplace Smoothing to handle any unseen words.
  - As a result of this modeling approach, the classifier achieved an impressive accuracy rate of 97.9%.
- **Machine Translation System**
  - Under the direction of my mentor, I'm working on a project that attempts to investigate neural machine translation techniques.
  - Ranging from the fundamental RNN model to more complex attention and transformer models.

EXTRACURRICULAR ACTIVITIES

- **AI-ML Core Member** in Google Developer Student Club - IEM'K - 2023 - 2024
- **Event Coordinator Co-Lead** in IEM Coding Club 2022 - 2023
- **Web-Dev Co-Lead** in Google Developer Student Club - IEM'K 2022 - 2023

CERTIFICATIONS

- LinkedIn Learning- Data Science Foundations: Fundamentals — 2023 Link
- Coursera - IBM Data Science — 2023 Link
- NPTEL - Python for Data Science — 2023 Link

ACHIEVEMENTS

- Maintaining to be among top 20% in the CSE department.
- Achieved Third position in Maths Olympiad among 150+ teams and build Path Tracker robot in Innovacion-Annual Tech Meet 2021
- Completed assigned learning paths and arcade games, completing hands-on labs, quests, and skill assessments in 30 Days of Google Cloud 2023
- Achieved the first milestone in Google Cloud Facilitator 2022.
- Listed among the District Topper(Robertsganj, UP) in Class 10th CBSE Board Examination, 2019