Munzir Husain

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EDUCATION

Sant Gadge Baba Amravati University SGPA: 8.05

BE in Computer Science and Engineering *May 2021- May 2025*

Government Vidarbha Institute of Science and Humanities Percentage: 78.50

Higher Secondary Certificate(12th) *Feb 2019 - May 2021*

EXPERIENCE

Web Developer Intern Dec 2024 – Feb 2025

TECHOCTANET SERVICES PVT LTD *Bhubaneshwar, Odisha*

- Collaborated on real-time web development projects using HTML, CSS, JavaScript, and modern frameworks.
- Gained hands-on experience with frontend and backend development, improving responsive design and user experience.
- Successfully completed internship with an AICTE, MCA, MSME, IAF, ISO-certified and trademark-registered, ensuring professional-level project exposure.

Software Developer Intern Nov 2024 – Jan 2025

CODTECH IT SOLUTIONS PVT LTD *Hyderabad, Telangana*

- Contributed to live software development projects, applying core concepts of object-oriented programming, debugging, and modular design.
- Gained practical experience in using development tools like Git, Visual Studio Code, and integrated development environments (IDEs).
- Collaborated with the development team to design user-centric features and enhance application performance.

TECHNICAL SKILLS

Languages: Java, Python
Web Technologies: JavaScript, HTML5, CSS3
Databases: MySQL, Oracle, PLSQL
Frameworks: Spring, Flask, FastAPI, JDBC, Servlets, JSP
Developer Tools: Git, GitHub, Jenkins, Weka, Maven, MySQL Workbench, Postman, VS Code, Apache NetBeans IDE 21, IntelliJ IDEA, PyCharm 2025.1
Libraries: Scikit-learn, XGBoost, Pandas, NumPy, Matplotlib, Seaborn, Random Forest

PROJECTS

Air Quality Index(AQI) Predictor | *Python, Flask, FastAPI, HTML, CSS, JavaScript* May 2025
- Developed a web-based AQI prediction system using machine learning models (Random Forest/XGBoost)
- Implemented backend APIs using FastAPI to serve dynamic AQI predictions based on input parameters like PM2.5, PM10, NO2, etc.
- Aimed to promote public health awareness by providing an accessible tool for forecasting air pollution levels and encouraging preventive measures.

Air Quality Index Calculator | *Java, Spring Frame, MySQL, Apache Tomcat, HTML, CSS, JS* April 2025
- Developed a Java-based web application to calculate real-time AQI using pollutant concentrations based on CPCB guidelines.)
- Integrated MySQL for storing and retrieving historical air quality data, and deployed the app using Apache Tomcat.
- Designed to raise environmental awareness by helping users assess local air quality and make informed health decisions.

Co2 Emission Prediction Using Machine Learning | *Python, Scikit-learn, Pandas, Matplotlib* March 2025
- Built a machine learning model to predict CO emissions based on features like engine size, fuel type, and vehicle weight.
- Used regression algorithms with performance evaluation (R^2 score, MSE) to optimize prediction accuracy.
- Visualized trends and insights using Python libraries to aid in emission analysis and awareness.

COURSES AND CERTIFICATIONS

GenAI Powered Data Analytics Job Simulation | *By Tata*   July 2025
- Completed a job simulation involving AI-powered data analytics and strategy development for the Financial Services team at Tata iQ.)
- Conducted exploratory data analysis (EDA) using GenAI tools to assess data quality, identify risk indicators, and structure insights for predictive modeling.

Software Engineering Job Simulation | *JPMorgan Chase and Co.*   July 2025
- Set up a simulated backend project environment with Kafka, H2 Database, and Spring Boot REST APIs, demonstrating microservices integration skills.
- Designed and implemented REST API controllers to enable real-time data communication, focusing on enterprise-grade system reliability and modular architecture.

Coding: Development and Advanced Engineering | *By Accenture North America*   May 2025
- Completed a job simulation where I supported a client with a small development team overwhelmed by the growth of their code base.)
- Managed the team's workload by preparing for a sprint and writing user stories in an Agile planning session.

EXTRACURRICULAR

- Active **member of Utkarsh Forum**, contributing to various academic and extracurricular initiatives.
- Selected as **Class Representative** at the college level, serving as a liaison between students and faculty.
- **Coordinator of Gathering 2K24**, managing event planning, logistics, and team coordination.

STRENGTHS

Focused and confident with positive attitude
Good team player
Repeated research for improving self-abilities

PERSONAL PROFILE

Name : Munzir Husain
Father's Name : Mumtaz Husain
Date of Birth : 01st April 2004
Languages Known: English, Hindi, Marathi, Urdu
Nationality : Indian
Alternate Email : munzirhusain144@gmail.com