

# Tabish Ali Ansari

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## Education and Languages

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### Bachelor of Technology, AISSMS Institute of Information Technology (Exp. 2026)

- Major: Artificial Intelligence and Data Science (GPA 8.41/10).
- Coursework: AI, ML, MLOps, DL, NLP, DBMS, OS, OOP, Data Structure, Cloud Computing.
- Minor: Electronics and Telecommunications.
- Coursework: VLSI, Microcontroller & Embedded Systems, Integrated Circuits, Analog Electronic Circuits.

**Achievements** – HSC Rank 1, Top 10 grand finalist at Intel AI Hackathon by IEEE Indicon at IIT Kharagpur

**Languages** – English (Proficient), Hindi (Native), French (Fluent).

## Technical Skills

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**Programming Languages:** Python | Java | C/C++ | SQL

**Data Analysis:** NumPy | Pandas | Matplotlib | Seaborn

**Data Science:** Scikit-Learn | TensorFlow | Keras | PyTorch

**Databases:** MySQL | PostgreSQL | MongoDB | Neo4j

**Tools & Workflows:** Git and GitHub | JIRA (Agile Scrum) | Docker

**Data Visualization Tools:** Microsoft Power BI, Tableau

**Backend Development:** Maven | Spring Boot | Postman

## Projects

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**NeuroMedGraph** – A graph-based healthcare knowledge assistant

*Tech Stack: Python, Neo4j, NLP, Together AI API, EuropePMC API, HTML/CSS, Flask, ReactJS, NextJS, Figma*

- Uses NLP to extract key entities (diseases, drugs, methods, metrics) from biomedical research papers.
- Converts unstructured text into an interactive knowledge graph for visualization and querying.
- Identifies relationships such as the efficacy of treatment, comorbidities, and evolving methodologies.
- Designed to support review of the literature and the generation of hypothesis in medical and AI research.

**MetaboliQ AI** – A dynamic AI-powered website designed for diabetes prediction and education.

*Tech Stack: Python, Flask, HTML/CSS, JavaScript, Scikit-learn, Pandas, sklearnex, Intel Tiber AI Cloud*

- Predict future diabetes cases in a population using time series forecasting.
- Assesses the risk of personal diabetes via a daily lifestyle input form.
- Classifies diagnosed patients according to their type of diabetes (Type 1, Type 2, etc.).
- Predicts gestational diabetes in pregnant women.
- Includes a custom-developed AI chatbot to solve diabetes-related doubts and queries.

**ADAPT** – Alzheimer's Disease Analysis and Prediction Tool.

*Tech Stack: Python, scikit-learn, React, FastAPI, VGG-19, GitHub Actions*

- An AI-powered deep learning system designed to detect and classify the stages of Alzheimer's disease from MRI scans.
- Utilizes VGG-19 for high accuracy and integrates a user-friendly web interface for medical professionals.
- Assists patients and doctors in early diagnosis and preventive care for Alzheimer's Disease.

## Experience

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**Intern – NonStop io Technologies (Hybrid)**

*Feb 2025 – Present*

*Backend Engineer*

- Worked with Java Spring Boot, Node.js, and Nest.js for backend development.
- Utilized JMeter, RabbitMQ, and REST APIs for testing and service integration.
- Collaborated in an Agile environment using Git, Postman, and Docker.