

# ABU ABBAS ALI

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## PROFESSIONAL SUMMARY

Detail-oriented Computer Science Engineering student with a strong foundation in software engineering, data structures, and machine learning fundamentals. Experienced in building academic and project-based applications with clean, scalable design. Strong analytical and problem-solving skills with a passion for developing impactful solutions using AI, data, and intuitive user interfaces.

## TECHNICAL SKILLS

### Programming Languages:

Python, Java, C, JavaScript, HTML/CSS, SQL, NoSQL

### Core Domains:

Machine Learning, Full Stack Web Development, RESTFUL API Development

### Web Technologies & Frameworks:

FastAPI, Flask, React.js, Node.js, Express.js, Tailwind CSS, Vite

### Databases:

MongoDB, MySQL

### Machine Learning & Data Science:

TensorFlow, Scikit-learn, Keras, XGBoost, Pandas, NumPy, Matplotlib

### Developer Tools & Platforms:

Git, VS Code, Google Cloud Platform (GCP), Google Colab, Kaggle, Ubuntu

**Soft Skills:** Analytical Thinking, Problem-Solving, Adaptability, Team Collaboration, Time Management

## PROJECTS

### Diagnosis of Health Risk Using Blood Tests

**Technologies:** Python, XGBoost, Scikit-learn, Pandas, React.js, Node.js, Vite

- Developed a multi-output ML model to predict multiple health risks from blood test data.
- Built a web interface for user input and result visualization using React and a backend API.

### AI Assistant for Learning Environments

**Technologies:** Python, NLP, Flask, React.js

- Built an AI-based learning assistant that adapts educational content using NLP driven feedback analysis.
- Implemented a chatbot interface for personalized recommendations.

### Case File Manager – Legal Document System

**Technologies:** Python, Flask, MongoDB, React.js, Tailwind CSS

- Built a full-stack legal case management system with keyword-based document search.
- Designed a responsive UI and integrated cloud-based data storage.

## ACHIEVEMENTS

- Winner – National Level Hackathon (2025):** Built an AI-driven adaptive learning assistant using Python, NLP, React.js, and Flask; recognized for innovation and real-world impact.
- Runner-Up – College Hackathon (2025):** Developed a data-driven educational support system focused on personalization and user experience.

## EDUCATION

ACS College Of Engineering ||Bengaluru, India [Oct 2023 – Aug 2027]

**GPA: 8.6/10**

Bachelor Of Engineering in Computer Science

**Relevant Course:** Data Structures and Algorithms, Artificial Intelligence, Machine Learning, Object-Oriented Programming, Computer Architecture, Database Management.