BADAL

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SUMMARY

I am a pre-final year B.Tech student in Information Technology at NIT Kurukshetra with expertise in AI, machine learning, and full-stack development. I interned under a Gold Medalist Professor, contributing to research in advanced computational techniques. I have also excelled in coding competitions and hold certifications in React and Node.js.

EDUCATION

NIT Kurukshetra	May 2026 Present
B.TECH. in Information Technology	**CGPA: 7.86/10**
Intermediate/+2 (CBSE)	March 2022
Army Public School Chandimandir	

SKILLS

Languages: Python, C/C++, Java, JavaScript

Technologies & Tools: HTML, CSS, React, MongoDB, Linux, SQL, Machine Learning (ML), Agile Methodologies (Scrum, Kanban), GitHub

Technical Skills: Data Structures and Algorithms, Frontend Development, RESTful APIs, Model Deployment, Operating Systems, Computer Network

Soft Skills: Problem-Solving, Analytical Thinking, Adaptability, Proactive Learning, Strong Communication

PROJECTS

AI-Based Content Personalization and Recommendation System (Source Code)   *Feb 2024*

- Built a **hybrid recommendation engine** using **content-based filtering** and **NLP models**, improving recommendation accuracy by **12%**.
- Designed and implemented a **React-based UI** for personalized content delivery, improving user experience by **20%**.
- Streamlined real-time data ingestion pipelines using **REST APIs** for better scalability and platform independence.

AI-Based Meeting Transcription and Summarization Tool (Source Code)   *Dec 2024*

- Developed an **AI-powered transcription tool** using **speech-to-text** models, achieving **95% accuracy** in real-time transcription.
- Created a **React dashboard** for summarization and sentiment analysis, enabling actionable insights in an interactive interface.
- Optimized backend workflows with **Node.js** for scalable processing of large audio files.

Expense Tracking and Reporting System (Source Code)   *Mar 2024*

- Developed a scalable **data pipeline** for cleaning and processing large datasets, reducing data preparation time by **40%**.
- Designed a **React-based reporting tool** for detailed expense visualization, enhancing user engagement.
- Automated workflows with **CI/CD pipelines**, reducing deployment cycles by **25%**.

AWARDS AND CERTIFICATES

- Winner: **MazeUP,** an autonomous maze solver robot competition at NIT Kurukshetra's Technical Fest.
- Finalist in **Coderush 4.0 Hackathon**.
- Certifications: **C++, English Communication**, **React and Node.js Development**.
- Solved **350+ questions on LeetCode**.