Gaurav Sahu

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Education

Maulana Azad National Institute of Technology | **CGPA: 8.32**
Bachelor of Technology, Mechanical Engineering | *2026*

Jawahar Navodaya Vidyalaya, Guna | **Percentage: 92.4**
CBSE, MP | *2021*

Jawahar Navodaya Vidyalaya, Guna | **Percentage: 93.8**
CBSE, MP | *2019*

Personal Projects

ReviewCraft | **May 2025**
Full-stack SaaS platform designed to help businesses collect, preview, and showcase customer testimonials

- Real-time preview and 4-step testimonial creation flow using a dedicated user interface for improved feedback capture
- OTP-based email authentication using Firebase for secure user identity verification and data access
- Built an embeddable React iframe widget to showcase dynamic testimonial walls on external sites
- Integrated Razorpay for payments and an AI-powered text box to generate feedback reviews
- Enabled easy export, iframe integration, and download of video and text-based testimonial content

StudyNotion | **Apr 2024**
EdTech platform enabling course creation, secure payments, and role-based access for instructors and students

- Course creation and purchase system with secure student/instructor role-based access and dashboard views
- JWT-based authentication and role authorization to ensure secure access to protected routes and resources
- Live video streaming and chat powered by WebRTC and WebSockets for real-time interactive learning sessions
- Seamless Razorpay integration for secure course payments and automated video access after purchase

PDF Summarizer App | **Jan 2025**
RAG-based PDF text extraction and AI-driven query answering with LLM

- Used Plumber for text extraction with metadata and LlamaIndex for improved text extraction and organization
- Employed LangChain for chunking and splitting data to ensure context retention, with page-by-page chunking for better querying
- Leveraged an LLM for efficient query answering, integrating extracted text and context for relevant responses

AutoTuneML – ML Model Tuning-Deployment Platform | **Mar 2025**
No-code SaaS platform that lets users upload datasets, tune ML models, and deploy the best one without writing code

- Integrated 10+ ML algorithms with dynamic hyperparameter tuning and real-time performance visualization
- Enabled auto-selection of the best model and one-click deployment as a production-ready Flask API
- Applied core ML concepts: cross-validation, overfitting control, metric-based evaluation

Technical Skills and Interests

Languages: C, C++, Python, JavaScript, TypeScript, SQL
Frameworks: ReactJS, NodeJS, ExpressJS, NextJS, Flask
Tools/Databases: GIT, GitHub, Docker, Jupyter Notebook, PostgreSQL, MongoDB, MySQL, Firebase, Appwrite
Coursework: DSA, OOPs, DBMS, Computer Network
Areas of Interest: Web development, Machine Learning, GenAI

Positions of Responsibility

Technical Executive | **2023-Present**
Robotics Club MANIT

- Actively conducted various technical events including **AUTOMAX 3.0** implementing my management and Team work skills

Achievements

- Solved **600+ Data Structure and Algorithm** problems on LeetCode, demonstrating strong problem-solving skills
- Successfully completed **Machine Learning** and **Computer Networks** courses from **Scaler Academy**
- Represented **NIT Bhopal** in the **All India Inter-NIT Handball** Tournament