

# LOKESH S

B.Tech Information Technology | Software Engineer (ML & Backend)

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## SUMMARY:

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**B. Tech Information Technology student (2027)** with hands-on experience building backend services, data pipelines, and ML-powered applications. Built API-driven systems using Python, Django, FastAPI, Flask and PostgreSQL, with experience working in collaborative teams and delivering user-facing features end to end. Actively learning cloud and DevOps fundamentals (AWS, Docker, CI/CD, GitHub Actions) with a strong focus on understanding system reliability, deployment workflows, and production readiness. Solid computer science fundamentals, with strong interest in problem-solving, competitive programming, and scalable system design.

## EDUCATION:

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- B. Tech Information Technology | Hindustan Institute of Technology and Science | 2023 – 2027 | CGPA – 9.06/10
- Higher Secondary | Bhaktavatsalam Vidyashram | 2022 – 2023 | 76%

## PROJECTS:

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1. **MindEase** – Mental Health Detection & Management App (ML + Mobile App + Chatbot)
  - Developed backend services and ML pipelines for real-time mental health risk assessment using PHQ-9 data
  - Deployed a Random Forest model (~92% accuracy) and integrated APIs with a conversational chatbot
  - Containerized the PHQ-9 inference service using Docker and implemented a CI pipeline with GitHub Actions to automate testing and ensure reliable builds
  - Collaborated on extending the system to support GAD-7 anxiety assessment and improved response personalization
  - Focused on safe data handling and reliable model inference in user-facing workflows
2. **CareerIn** – Resume Parser & Career Guidance Platform (*In Progress*)
  - Building backend services to parse resumes (PDF → structured data) and evaluate profiles against role requirements
  - Designing APIs to generate actionable skill gap analysis and role eligibility insights
  - Focusing on modular architecture, input validation, and extensibility for future role definitions
3. **FloatChat** – AI Ocean Data Pipeline (**Smart India Hackathon 2025**, Team of 6)
  - Collaborated in a 6-member team to build a Python-based data ingestion and processing pipeline for ARGO float data
  - Implemented data cleaning & transformation pipeline (.nc files -> parquet files -> DB), enabling efficient queries by storing cleaned tables in PostgreSQL and ChromaDB.
  - Worked across data, API, and storage layers while incorporating team feedback during iterative development

## INTERNSHIP:

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**Data Science Internship - Corizo** (Industry Training Program Powered by Wipro) - July 2024 - Sep 2024

- Worked as a team on supervised ML projects using real-world datasets, including a manufacturing yield prediction system (1,500+ samples)
- Contributed to data preprocessing, feature selection, and model evaluation across Random Forest, SVM, and Naive Bayes models

## SKILLS:

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- **Programming:** Python, C++, Java
- **Backend & APIs:** Django, Flask, FastAPI, REST
- **Databases:** PostgreSQL, MySQL
- **Machine Learning:** Scikit-learn, Feature Engineering, Model Evaluation
- **DevOps & Tools:** Git, Docker, GitHub Actions (CI)
- **Design & Prototyping:** Figma