

Akash Baburav

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LinkedIn – GitHub

Career Objective

Computer Science undergraduate interested in **Machine Learning, Artificial Intelligence, and Backend Development**. Experienced in developing ML/DL applications, AI-powered systems, data processing pipelines, REST APIs, and automation workflows. Seeking an internship to apply technical skills to real-world problems.

Education

Nitte Meenakshi Institute of Technology, Bengaluru 2024 – Present

B.E. in Computer Science **CGPA: 9.25**

Projects

Investor Platform – AI-Powered Financial Analysis 2026

Live Demo

- Developed a financial analysis platform for document processing, financial data extraction, and KPI analysis.
- Integrated Gemini AI and backend APIs for AI-assisted financial insights and structured data processing.
- Deployed the application on Render with database integration.

Orchestration Platform – Workflow Automation 2026

Live Demo

- Built a full-stack workflow orchestration platform using React, FastAPI, PostgreSQL, and Supabase.
- Developed backend APIs and workflow components for execution, monitoring, notifications, and artifact management.
- Integrated AI capabilities and deployed the frontend on Vercel.

NeuroVision – Brain Tumor Classification using ML & DL 2026

Live Demo

- Built a custom CNN using TensorFlow/Keras to classify four brain MRI categories, achieving 93% validation accuracy.
- Developed a Flask API and React frontend with MRI prediction, confidence scores, prediction history, and report generation.
- Integrated Gemini AI for multilingual explanations, including Kannada.

Looker Studio Data Automation Bot 2026

- Automated vehicle data extraction and synchronization between Looker Studio and Google Sheets using Python.
- Used Pandas, NumPy, Flask, Google Sheets API, PyAutoGUI, and Tampermonkey to automate repetitive data operations.

Technical Skills

Programming: Python, C++, JavaScript

Data Analysis: Pandas, NumPy, Data Cleaning, EDA

Machine Learning: Machine Learning, Deep Learning, CNN, TensorFlow, Keras, NLP Basics

Backend Development: FastAPI, Flask, REST APIs

Frontend Development: React, Vite

Databases: PostgreSQL, MySQL, MongoDB, Supabase

Core Concepts: Data Structures, OOP, DBMS, Operating Systems

Tools: Git, GitHub, Render, Vercel, Google Sheets API, PyAutoGUI, Tampermonkey, ONNX Runtime

Experience

Samsung Innovation Campus – AI/ML Training 2026

- Participated in AI/ML training covering machine learning concepts, data preprocessing, and model development.
- Gained practical experience applying AI/ML techniques through hands-on learning and project-based activities.

Certifications

- **MongoDB Certified Associate Atlas Administrator** – MongoDB 2026
Verify Certificate
- **Machine Learning Specialization** – Coursera, Andrew Ng 2025

Achievements

- Solved **100+ problems** on competitive programming platforms.
- Ranked **3rd in the SMVIT Hackathon** among 500+ participating teams.
- Consistently ranked among the **top 10% of the batch**.