

# VISHNU B P

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 LinkedIn  GitHub

## CAREER OBJECTIVE

Final-year Computer Science Engineering student specializing in building scalable **data pipelines** and **automating data workflows**. Experienced in data ingestion, API integration, and creating robust systems to support AI/ML and analytics. Seeking a **Data Engineer** role to design and implement efficient, reliable data solutions

## EDUCATION

- **Visvesvaraya Technological University** Dec 2022 – June 2026 (Expected)  
*B. E in Computer Science Engineering*
- **ASC Pre-University College** June 2021  
*Pre-University Education* Bengaluru, India

## INTERNSHIP

- **Software Engineer Intern** November 2025 – Present  
*Company: Scaleswift Digital Services LLP* Bangalore, India
  - Engineered a secure authentication bridge merging **Clerk** identity management with **Supabase** backend services, implementing custom **JWT injection** to enforce granular **PostgreSQL Row Level Security (RLS)** policies.
  - Developed a high-performance cross-platform mobile application using **React Native**, **Expo SDK**,
  - Designed a real-time streak tracking algorithm executing optimized **SQL queries** on **Supabase**, transforming raw timestamped logs into actionable user insights displayed via a custom **React Native UI**.
  - Integrated a scalable AI mediation layer using **OpenRouter**, orchestrating asynchronous **API calls** to leverage multiple Large Language Models (LLMs) for generating dynamic, context-aware recovery insights and **personalized support**.

## PROJECTS

- **Dynamic, Grounded Movie Recommendation Engine:** October 2025  
*Tools: [Python, FastAPI, Gemini API (RAG), REST API, Uvicorn, Tailwind CSS, Firebase, Open LLM]*
  - Engineered a robust, full-stack application using Python/FastAPI to create a secure API proxy, separating the application logic from the presentation layer.
  - Implemented **Retrieval-Augmented Generation (RAG)**, utilizing the Gemini API and Google Search Grounding to provide factually accurate and up-to-date recommendations.
  - Deployed the project using Render, utilizing an absolute path configuration to successfully serve the responsive Tailwind CSS frontend from the Python backend.
- **Health GPT : AI-Powered Predictive Healthcare** March 2025  
*Tools: TensorFlow, Keras, Flask, Docker, Logistic Regression, Decision Tree, CNN*
  - Architected and trained classification models (**Logistic Regression**, **Decision Tree**, and **CNN**) to predict diseases, achieving high accuracy metrics across varied datasets.
  - Developed a scalable RESTful API using the **Flask** framework to serve real-time health predictions, and containerized the entire system with **Docker** for seamless deployment.
- **Gate Pass Management System (GPMS):** April 2025  
*Tools: Flask, Express.js, MongoDB, XGBoost, EJS, Bcrypt, RBAC, QR code*
  - Implemented **Role-Based Access Control (RBAC)** and secure **bcrypt** authentication for three distinct users: Student, Warden, and Security.

## SKILLS

- **Programming:** Python (Pandas, NumPy, Regex, asyncio), Java, JavaScript
- **AI/ML:** TensorFlow, Keras, Scikit-learn, XGBoost, NLP, Gemini API, Open Router
- **Web Development:** FastAPI, Flask, Streamlit, React.js, Node.js, React Native, Render, CSS, JavaScript
- **Databases:** MySQL, MongoDB, XML, SQLite3, Supabase, PostgreSQL
- **Tools Platforms:** AWS, Git/GitHub, RabbitMQ, Expo, Langflow, Clerk, Cloudinary, Postman
- **Soft Skills:** Problem Solving, Self-Learning, Team Collaboration, Presentation, Adaptability

## CERTIFICATIONS

- **TensorFlow: Neural Networks and Working with Tables , Images, NLP- LinkedIn** October 2025
- **Introduction to Prompt Engineering for Generative AI – LinkedIn** October 2025
- **Technology Innovation and Management – Open University** October 2025