

PUNITH B

✉ punithb165@gmail.com ☎ 8088286388 📍 Bengaluru 🔗 [linkedin.com/in/punith-b-965100252](https://www.linkedin.com/in/punith-b-965100252)
🔗 github.com/Punithb2

CAREER OBJECTIVE

B.E. Computer Science & Engineering graduate with hands-on experience building AI-powered and full-stack web applications using Python and React. Proven ability to ship production-ready systems from local LLM integrations and computer vision pipelines to queue-based backend services. Looking for a software engineering or AI/ML role where I can solve real problems and grow alongside a strong technical team.

TECHNICAL SKILLS

Programming Languages — Python

Database — SQL, PostgreSQL

Web — HTML, CSS, JavaScript, Rest APIs

Frameworks & Tools — FastAPI, Django, React, Git, Github, Docker

AI/ML — Scikit-Learn, TensorFlow, PyTorch, Neural Networks, CNN, RNN, LSTM

PROFESSIONAL EXPERIENCE

Python Backend Developer Intern

02/2026 – 05/2026 | Bengaluru

PyGenicArc 🔗

- Developed the backend of a remote proctoring platform using Django REST Framework, PostgreSQL, Redis, Kafka, WebSockets, LiveKit, and Docker Compose with JWT-based RBAC for 4 user roles
- Self-hosted LiveKit via Docker and built WebSocket-based session management with live stream tracking, heartbeats, and reconnection handling for real-time exam monitoring
- Implemented an anti-cheating system with automated risk scoring, violation tracking (tab switching, focus loss, multi-person detection), Kafka event streaming, and exam termination logic
- Built the full exam lifecycle API suite — question banks, scheduling, batch management with Excel upload, attempt tracking, automated evaluation, result generation, and analytics dashboards

PROJECTS

CareerAtlas: Multi-Agent AI Job Search Platform 🔗

React, FastAPI, LangGraph, Gemini, Supabase, Vercel, Render

- Built a resume-aware job search platform that extracts candidate skills from PDFs, retrieves live job listings, and ranks roles by fit.
- Created a LangGraph and Gemini workflow for skill-gap analysis, tailored resumes, and job-specific cover letters without inventing candidate details.
- Implemented saved jobs, search history, application-status tracking, and downloadable ATS-friendly PDF and Word application materials.
- Secured accounts and user data with Supabase Auth and Row Level Security, while keeping uploaded resume data in memory and enforcing API limits.

OMNIMESH AI: A 2D SKETCH TO 3D MESH RECONSTRUCTION USING AI/ML

- Developed an **AI-powered sketch-to-3D mesh generation** pipeline by processing **37,000+ 3D models** from ShapeNet and ModelNet across 32 object categories.
- Generated over **900,000 multi-view silhouette** images using PyTorch3D, built data preprocessing and model integration workflows
- Deployed a full-stack application using FastAPI, React, and AWS for interactive 3D visualization.

EDUCATIONAL BACKGROUND

K S School Of Engineering And Management

12/2022 – 05/2026 | Bengaluru

B E in Computer Science and Engineering - 8.04 CGPA

Narayana Pre University College

09/2020 – 04/2022 | Bengaluru

PUC(PCMC) - 84.5%

CERTIFICATIONS

- Deep Learning Specialization** 🔗 — DeepLearning.AI & Stanford University (Coursera) | Issued: September 2026
- Machine Learning Specialization** 🔗 — DeepLearning.AI & Stanford University (Coursera) | Issued: July 2026
- AWS Academy Graduate – Cloud Developing** 🔗 — Amazon Web Services (AWS) | Issued: June 2025