

Pranay Lendave

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SUMMARY

Backend and AWS Developer with experience designing **cloud-native, serverless applications** on AWS using **Node.js** and **Python**. Proven track record building scalable **REST APIs, microservices, and event-driven architectures** supporting **4M+ annual interactions**. Skilled in **Infrastructure as Code (Terraform)**, **CI/CD**, and **Generative AI / RAG** solutions. AWS Certified Cloud Practitioner and AI Practitioner.

TECHNICAL SKILLS

- **Languages:** Python, JavaScript (Node.js), Java, SQL, C
- **Backend:** REST APIs, Microservices, Serverless Architecture, Event-Driven Architecture, API Integration
- **AWS:** Lambda, API Gateway, Bedrock, Lex, S3, IAM, CloudWatch, DynamoDB
- **DevOps:** Terraform (IaC), GitHub Actions (CI/CD), Docker, Git
- **AI/ML:** Generative AI, RAG, LLMs, Agentic AI, PyTorch
- **Tools:** VS Code, Postman, Jupyter Notebook, Jira, Confluence
- **Certifications:** AWS Certified Cloud Practitioner (CLF-C02), AWS Certified AI Practitioner (AIF-C01), Genesys Cloud Certified Practitioner (CCP), Deep Learning Specialization (deeplearning.ai)

EXPERIENCE

Software Developer (Consultant), Deloitte USI Oct. 2023 – Present

- Built and maintained **backend services** for enterprise chatbot and voicebot platforms using **Node.js, Python**, and **AWS serverless** stack, supporting **4M+ contact center interactions annually**.
- Provisioned cloud infrastructure with **Terraform (IaC)** and automated deployments via **CI/CD pipelines using GitHub Actions**, improving release reliability and speed.
- Designed and deployed **RAG and LLM-powered conversational AI** using **Amazon Bedrock** and **Amazon Lex**; delivered a GenAI transcript intelligence platform processing **10,000+ conversations**, cutting analysis time from **weeks to minutes**.
- Architected **cloud-native, event-driven applications** with **AWS Lambda, API Gateway, and CloudWatch**, enabling customer verification, personalization, and **Agentic AI** capabilities through scalable, decoupled systems.
- Drove **cross-functional collaboration** in an **Agile/Scrum** environment; authored technical design documents, coordinated vendors, and ensured stakeholder alignment for production releases.

Undergraduate Researcher, IIIT Sri City Jan. 2023 – Jul. 2023

- Developed **3D object detection and tracking** systems for autonomous driving using **LiDAR-based perception** and deep learning on KITTI, WAYMO, and nuScenes datasets.
- Managed the **end-to-end ML pipeline** – data collection, preprocessing, model training, and performance evaluation – delivering insights for system improvements.

PROJECTS & PUBLICATIONS

MT3DNet: Multi-Task Learning Network for 3D Surgical Scene Reconstruction ([Link](#))

- Developed a **Multi-Task Learning** network for minimally invasive surgery, performing 3D reconstruction, depth estimation, instrument segmentation, and object detection simultaneously.
- Improved multi-task optimization via **adversarial weight updates**, achieving accurate scene understanding on the EndoVis2018 benchmark.

Text-to-Video Synopsis ([GitHub](#))

- Built a **computer vision system** generating video summaries from text prompts using OWL-ViT / Florence-2 for detection and SAM for segmentation.
- Developed a **Streamlit web application** for surveillance summarization, targeted object tracking, and analysis of long CCTV footage.

EDUCATION

KJ Somaiya College of Engineering, Mumbai, India **CGPA: 8.86/10**
Bachelor of Technology in Electronics Engineering Aug. 2019 – May 2023

Relevant Coursework: Data Structures, Programming in C, Digital Image Processing, Artificial Neural Networks, Digital Signal Processing, Mobile Application Development, Business Analytics

ACHIEVEMENTS

- **Outstanding Performance Award** (May 2026) – Deloitte's highest recognition award.
- **Applause Award** (Apr 2024, Mar 2025, Jul 2025) – Deloitte's second-highest recognition award.
- **Spot Award** (Jul 2025) – Deloitte's third-highest recognition award.