Dhwani Budhiraja

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INTERNSHIP

Rolls-Royce Solutions India **Jan 2025 – Present**

Software Developer Intern *Pune, India*

- Built a cloud-based internal document assistant using **REST APIs**, **semantic search**, and **context-aware NLP** for PDF-based query resolution.
- Integrated vector indexing with tools like **Pinecone** to enable scalable document search using **Retrieval-Augmented Generation (RAG)**.
- Streamlined knowledge retrieval by implementing a directory-based indexing system for internal repositories.

PROJECTS

RAGCare | TypeScript, React.js, REST APIs, Cloud Functions **Dec 2024**

- Developed a **full-stack medical assistant** using **RAG** pipeline and **vector search** for secure, context-aware Q&A on sensitive documents.
- Improved retrieval latency by indexing medical documents using **semantic search techniques** and local inference models (ONNX).
- GitHub: **Project**

NeuroNote | TypeScript, React.js, Vector Search, Authentication **Nov 2024**

- Built a **collaborative note-taking platform** with semantic retrieval using **LLM-powered search APIs** and vector similarity matching.
- Integrated user authentication and real-time collaboration features to enhance multi-user workflows.
- GitHub: **Project**

BucketByte | JavaScript, AWS Lambda, REST APIs, CI/CD **Sep 2024**

- Engineered a **cloud-native blog generator** using serverless architecture with **AWS Lambda**, **REST APIs**, and **CI/CD pipelines**.
- Built frontend with **React.js (Next.js)** and integrated API-based LLM generation into a Markdown export pipeline.
- GitHub: **Frontend ||Backend||Docs**

TECHNICAL SKILLS

Languages: Java, TypeScript, JavaScript, Python, C++, SQL
Frameworks & Libraries: Next.js, React.js, Express.js, Node.js, LangChain, ShadCN UI
Cloud & Tools: AWS Lambda, Amazon Bedrock, API Gateway, Git, Convex, Data Analysis
Databases: MongoDB, PostgreSQL, Vector DB

EDUCATION

VIT Bhopal University **2021 – 2025**

B.Tech - CSE with Spec. in AI & ML - ***CGPA - 8.90/10*** *Bhopal, Madhya Pradesh*

Kendriya Vidyalaya **July 2021**

CBSE - Class XII - PCM(CS) - ***Percentage - 82.2%*** *Gandhinagar, Gujarat*

CERTIFICATIONS

- AWS Certified Cloud Practitioner - Foundational (CLF - C02) **Certificate**

LEADERSHIP, ACHIEVEMENTS & INTERESTS

* Technical Co-Lead, Igniters Club, VIT Bhopal *Sep 2022 – Jul 2023*
* Captain, University Basketball Team, VIT Bhopal *Jan 2024 – Present*
* 1st Place – Basketball, AdVITya Sports Fest, VIT Bhopal *Feb 2024*
* **Languages:** Fluent in English and Hindi
* **Hobbies:** Series Aficionado, Cooking