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GUTTA BHARGAV PRUDHVI

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EDUCATION

SRM University AP

Amaravati, Andhra Pradesh

B.Tech – Computer Science and Engineering (CGPA: 7.54 / 10.0)

Aug. 2023 – May 2027

- **Relevant Coursework:** Machine Learning, Statistics & Probability, Data Structures & Algorithms, Database Systems

EXPERIENCE

Edubot Technologies

Remote

Full Stack Developer Intern

June 2025 – July 2025

- Developed and shipped production features on an EdTech platform using the MERN stack, improving content delivery workflows.
- Designed RESTful API pipelines for dynamic data flow and implemented JWT-secured endpoints with server-side input validation.
- Collaborated cross-functionally with product and design teams, delivering features on schedule in an agile environment.

PROJECTS

Progresso | *Python, FastAPI, SQLAlchemy, React, JWT*

Mar. 2026 – Jul. 2026

- Architected a full-stack Kanban-style team task management platform with drag-and-drop boards, columns, task labels, comments, priorities, and due dates.
- Implemented JWT authentication with bcrypt password hashing, password-strength validation, and slowapi rate limiting, plus role-based team workspaces (admin/member) with invite-code onboarding and permission-scoped board access.
- Built an admin analytics module aggregating per-board and per-member task-completion stats with CSV export, and an activity-log system tracking task/board events across teams in real time.

Emla | *Python, MediaPipe, Transformer, Gemini API, TypeScript*

Feb. 2026

- Real-time ASL sign language recognition: built a computer vision pipeline using MediaPipe for hand landmark extraction and a Transformer-based classifier for American Sign Language gesture recognition.
- Integrated Google Gemini API to contextualise recognised signs and generate natural language responses, bridging vision and language understanding.
- Processed live video frames through a multi-stage inference pipeline: frame capture → landmark detection → feature extraction → Transformer classification → LLM response.

Studium AI | *Python, FastAPI, Groq (LLaMA-3.3-70b), MongoDB, React*

Jun. 2026

- Autonomous adaptive learning agent: designed an agentic AI loop – syllabus PDF upload → topic extraction → deadline-aware study plan generation → per-topic quizzes → weak topic detection (score < 70%) → autonomous re-planning.
- Leveraged Groq's LLaMA-3.3-70b for high-speed inference, generating structured study schedules and exam questions (2/5/10 marks) with model answers via prompt-engineered outputs.

CERTIFICATIONS

- Oracle Certified Professional: Java SE 17 Developer
- MongoDB Associate Developer
- Cisco: CCNA – Introduction to Networks (Cisco Networking Academy)

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, C, C++, Java, Go, Rust, SQL, HTML/CSS

AI / ML: LangChain, FAISS, MediaPipe, Transformers, RAG Pipelines, Anomaly Detection, Budget Forecasting, NLP, Computer Vision, Embeddings, Prompt Engineering

GenAI & LLMs: OpenAI GPT-4, Gemini API, Claude API (tool-calling), Groq (LLaMA-3.3-70b), Agentic Workflows

Frameworks & Backend: FastAPI, Node.js, Express.js, React, Next.js, Tailwind CSS

Databases & Tools: MongoDB, PostgreSQL, SQLite, OR-Tools, Power BI, Git, REST APIs