ACHUKATLA RAEESA TANWEER

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PROFESSIONAL SUMMARY

Software Engineer with hands-on experience across the MERN stack, Python, and applied AI/ML, building and shipping full-stack web applications and intelligent automation tools. Comfortable owning features end to end from API design and database modeling to responsive, production-quality UI. Strong foundation in data structures, algorithms, and object-oriented design, with a track record of turning ambiguous problems into working software.

PROJECTS

SmartHire - AI - AI-Powered Recruitment Platform (GitHub)

Tech Stack: React.js, Node.js, Express.js, MongoDB, JavaScript, HTML5, CSS3, Gemini API

- Engineered a full-stack recruitment platform with automated resume parsing, reducing manual candidate screening time by approximately 60% for recruiters.
- Implemented a REST API layer (Node/Express) backed by MongoDB to manage candidate pipelines and hiring workflows.
- Delivered a responsive React front end for a seamless, end-to-end recruitment experience.

Contributor Compass — AI agent that auto-generates GitHub onboarding guides (GitHub)

Tech Stack: Python, AWS Bedrock Agents SDK, Gemini API, GitHub REST API, Streamlit

- Built an autonomous AI agent using AWS Bedrock Agents SDK that automates GitHub onboarding, reducing new contributor setup time from hours to minutes.
- Designed a provider-agnostic model layer supporting Claude, GPT, and Gemini, swappable via a single config change
- Solo-built and shipped end-to-end within a hackathon time constraint, from concept to a working CLI tool

AskCoach AI - Intelligent AI-Based Guidance Assistant (GitHub)

Tech Stack: React.js, Node.js, JavaScript, LangChain, OpenAI API

- Developed an AI guidance assistant using LangChain and OpenAI API reducing query response latency by 40% through optimized prompt engineering and caching.
- Built an interactive web interface supporting seamless, low-latency conversational interaction.

Scalable Email Scheduler (GitHub)

Tech Stack: Node.js, TypeScript, Express.js, React.js, MongoDB, REST APIs, Google OAuth 2.0, Tailwind CSS

- Built a full-stack email scheduling platform using Node.js, TypeScript, MongoDB for scheduled and bulk email delivery.
- Implemented distributed job processing and Redis-based rate limiting, achieving 99.9% delivery reliability for bulk email campaigns.
- Integrated Google OAuth, REST APIs, CSV lead processing, Cloudinary uploads, and Slack notifications.
- Added Bull Board queue monitoring, email cancellation, batch staggering, and Ethereal SMTP preview URLs for operational visibility and testing.

SKILLS

Programming Languages: Python, Java, SQL, JavaScript, TypeScript, HTML, CSS, C

Backend & APIs: Node.js, Express.js, REST APIs, Gemini API/OpenAI API Integration

Frontend: React.js, Tailwind CSS, Chart.js, responsive/UI Design

Databases: MongoDB, MySQL

Machine Learning & AI: Natural Language Processing (NLP), Machine Learning Fundamentals, Data Analysis using Python, Model Evaluation, Data Visualization, EDA, LLM, RAG, Agentic AI

Core CS: Data Structure Algorithms, Object-Oriented Programming, System Design Fundamentals

Developer Tools: Jupyter Notebook, Visual Studio Code, Google Colab, Cursor AI, Git, PowerPoint, MS Office, Google Cloud Platform, AWS

Core Competencies: Team Collaboration, Active Listening, Critical and Analytical Thinking, Problem Solving, Adaptability, Time Management

EDUCATION

Srinivasa Ramanujan Institute of Technology(SRIT), Anantapur 2023 – Pursuing
Bachelor of Technology, Computer Science and Engineering (AI & ML)

- 8.45 CGPA
- Certifications: Google Cloud Cybersecurity (Google Cloud Skills Boost), Java Fundamentals (Infosys Springboard), AWS Certified Cloud Practitioner

Narayana Junior College, Anantapur 2021 – 2023
Board of Intermediate Education (MPC)

- 9.49 CGPA