Chaitanya Chute

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Professional Summary

Motivated engineering student with strong skills in Java, Python, Data Structures Algorithms, and software engineering fundamentals. Experienced in developing full-stack applications and implementing efficient, scalable solutions to real-world problems. Passionate about building high-quality software, problem-solving, and continuously improving technical expertise.

Technical Skills

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

Frameworks: React.js, Next.js, Node.js, FastAPI

Databases: PostgreSQL, MongoDB

Tools & Technologies: Linux, Git, GitHub, Docker, Postman, Prisma

Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems, Computer Networks

Education

Shri Ramdeobaba College of Engineering and Management — Nagpur, Maharashtra

Bachelor of Technology in Electronics and Computer Science — *Aug 2023 – June 2027*

Professional Experience

Projense Systems — Nagpur, Maharashtra

Engineering Intern | ***Certificate*** — *June 2024 – Dec 2024*

- **Key Skills:** Python, Hardware Integration, Serial Communication, REST APIs, JSON, Logging, Exception Handling
- Developed a Python-based Health Monitoring GUI to capture and visualize real-time biometric data from serially connected hardware sensors.
- Integrated RESTful APIs for secure cloud communication using JSON payloads and implemented structured logging with robust exception handling to improve application reliability and troubleshooting efficiency.

Projects

Zeno – Workflow Automation Platform | GitHub | Live Demo

Key Skills: TypeScript, React, Next.js, React Flow, Express.js, PostgreSQL, Prisma, OAuth, REST APIs

- Developed an interactive workflow builder using React Flow, enabling users to visually create, configure, and manage multi-step automation pipelines.
- Built backend services with Express.js and PostgreSQL using Prisma ORM, implementing secure authentication with Google OAuth and GitHub OAuth.

AI Resume Shortlister | GitHub

Key Skills: LangChain, Google Gemin API, FAISS, RAG, Vector Search, LLM Integration, Prompt Engineering

- Developed a FastAPI backend that processes resumes, extracts relevant information, and evaluates candidate suitability based on job descriptions.
- Integrated Google's Gemini API with FAISS to perform semantic retrieval and generate structured candidate analysis.

Chess Engine | GitHub

Key Skills: Python, PyGame, Minimax, Alpha-Beta Pruning, Multiprocessing, Game AI

- Developed a chess engine implementing the Minimax search algorithm with Alpha-Beta pruning to efficiently evaluate board positions and generate optimal moves.
- Optimized search performance using transposition tables, move ordering, and multiprocessing while supporting legal move generation, castling, en passant, pawn promotion, check, checkmate, and human-versus-engine gameplay.

Certifications

Networking Basics | Credential

Cisco Networking Academy

Key Skills: CISCO, Computer Networking, IPv4, IPv6, Network Fundamentals, Network Communications

Achievements

- Achieved a maximum contest rating of **1738**, placing within the **Top 4.2%** of users. | Profile
- Secured a best global contest rank of **2204** in **Weekly Contest 481**.