Punith Gowda S P

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EDUCATION

R V College of Engineering   Bengaluru, Karnataka
Master of Computer Applications, CGPA: 8.58   *Feb. 2022 – Aug 2023*

Global Institute of Management Sciences   Bengaluru, Karnataka
Bachelor of Computer Applications, CGPA: 8.05   *Jun. 2018 – Sep 2021*

EXPERIENCE

EdTech Platform – Performance Optimization | *JavaScript, PHP, MySQL*   Dec 2023 – May 2024
- Profiled a large-scale ed-tech application with complex SQL queries and JavaScript logic to identify bottlenecks causing slow responses
- Rewrote critical admin-side code and optimized queries, reducing response times from 3 minutes to under 1 second
- Implemented stored procedures for high-volume client-side queries, improving initial query execution from 40s to 1s
- Enhanced overall system performance, enabling smooth data fetching and filtering for thousands of students

University Mentoring Platform | *React, Node.js, MySQL, Sequelize, WebSockets*   June 2024 – Jan 2025
- Built a multi-university system to track student records, conduct online examinations, and store scores, logbooks, EPA and assessments
- Developed a mentoring module with appointment timeslots, live chat via WebSockets, and detailed student performance visualization (GPA, GPAX, semester marks)
- Designed a singleton-based backend DB connection to support multiple university databases through a master DB
- Implemented admin-side mentoring configuration including phases, academic years, and mentor-to-student assignments
- Built an admin dashboard to display student progress across multiple aspects such as Logbook, EPA Progress, Longitudinal Pool, and Excellence metrics

FaithTech Wellness Platform | *Node.js, Express, PostgreSQL, Redis, AWS S3, Google Cloud*   Feb 2025 – Present
- Developed backend for a multi-role wellness platform supporting users, pandits, and content creators
- Built voice and text Q&A functionality for users and pandits, storing all media securely in Google Cloud
- Implemented ritual recommendations and habit tracking, alongside horoscope display for users
- Built secure content upload and delivery for creators using Google Cloud CDN and signed URLs

PROJECTS

LLM-Powered Git Diff Summarizer | *FastAPI, React, Git, Python, Ollama, Phi-3 Mini, Docker*   July 2025 – Present
- Built a local-first developer tool to compare Git branches and summarize per-file code changes using the Phi-3 Mini LLM
- Created a FastAPI backend that accepts repo path, base branch, and compare branch to compute diffs with GitPython
- Extracted file names and content changes for each file and generated LLM-powered summaries with improvement suggestions
- Implemented rule-based code checks: the system evaluates code against customizable coding standards and explains which parts violate the rules and why

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, SQL, Java, HTML, CSS3, Python
Frameworks & Platforms: React.js, React Native (Android/iOS), Node.js, Express.js, Flask, FastAPI, Sequelize
Developer Tools: Git, GitHub, GitLab, Docker, Nginx, Postman
Cloud & Databases: MongoDB, PostgreSQL, Redis, Firebase, AWS (EC2, Lightsail), Google Cloud
Libraries & UI: Tailwind CSS, Redux, Zustand, WebSockets, BeautifulSoup (BS4), Telegram Bot API, WhatsApp Integration, Phi-3 Mini / Ollama