VISHNU PRASAD S

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Backend Developer with a strong foundation in building scalable systems and a growing specialization in AI-powered automation. Experienced in integrating tools like ChatGPT and prompt engineering into backend workflows to streamline processes and enhance functionality. Skilled in microservices, full-stack development, and developing intelligent applications such as trading bots, job alert systems, and analytics dashboards. Reliable, self-driven, and comfortable working across distributed teams with fast iteration cycles.

EDUCATION

Sep 2024 - PRESENT

Bachelors in Computer Applications (BCA) Manipal University, India

Actively pursuing remote education while working full-time, applying concepts through hands-on projects and real-world development. Focused on backend engineering, intelligent automation, and building scalable systems using AI tools and frameworks. Coursework and personal projects emphasize practical problem-solving, system design, and integrating modern technologies into production-ready solutions.

Diploma in Computer Science Sri Jayachamarajendra Govt Polytechnic, India   June 2020 - May 2023

Graduated with First Class in Computer Science, with a focus on applied computing technologies. Completed a six-month industry internship in the final semester, gaining hands-on experience in web development. Earned an 'A' grade in the NCC 'C' Certificate Exam (Air Wing), reflecting strong discipline, leadership, and commitment. Actively participated in co-curricular activities—won the inter-department quiz competition and was runners-up in the inter-department cricket tournament, demonstrating teamwork and a well-rounded skill set.

WORK EXPERIENCE

Backend Developer
Ants Applied Data Science, Remote, India   November 2023 – PRESENT

- Developed backend microservices for a Stock Portfolio Analyzer to process real-time portfolio data and simulate risk scenarios. Automated PDF report generation and built API-ready output pipelines for dashboard integration. Leveraged

- ChatGPT for backend scaffolding, test case generation, and dynamic logic iteration. Built and deployed an MQTT-

- based Solar Data Lake to handle large-scale solar energy metrics. Improved system throughput and stability through

- AI-assisted data flow mapping and service tuning.

Backend Intern
Ants Applied Data Science, Remote, India   March 2023 – September 2023

- Built and integrated full-stack applications using MongoDB, Express.js, React, and Node.js.

- Collaborated closely with frontend teams to ensure seamless UI/API workflows.

- Explored AI and prompt engineering techniques to introduce intelligent automation in backend modules.

- Utilized ChatGPT for generating CRUD templates, testing scripts, and helper logic.

- Completed certifications in AWS (Beginner), Meta Backend Developer, IBM Node.js, and Johns Hopkins HTML/CSS/JS.

PROJECTS

Algorithmic Trading Bot

Node.js, MongoDB, TradingView, Fyers API   *View project*

- Built a fully automated trading system with modular microservices for real-time alerts, trade logic, and risk controls; used ChatGPT to prototype strategies and accelerate architecture decisions.

- Enabled real-time execution and analytics with LLM-assisted backend iteration, reducing development time and improving reliability under live trading conditions.

Smart URL Shortener

Node.js, Express, MongoDB, Redis, React   *View project*

- Developed a full-stack URL shortener with IP-based geo tracking, device fingerprinting, and high-performance Redis caching; used Copilot for rapid backend scaffolding and error handling.

- Integrated Google OAuth and built real-time analytics dashboard; leveraged prompt engineering to fine-tune API behavior, edge-case logic, and deployment flow.

Job Alert Telegram Bot

Python, Telegram API   *View Bot*

- Built a real-time job alert system delivering curated listings across 40+ academic streams via Telegram, updated every 24 hours.

- Used intelligent filters, keyword-based matching, and automated triggers to ensure high-relevance notifications with zero manual input.

Agentic Vibe – LinkedIn AI Content Automation

n8n,OpenAI API,Linkedin   *View repo*

- Designed a fully automated, agentic LinkedIn content system using n8n, OpenAI GPT-4o, Langchain, and LinkedIn API —streamlining topic ideation, copywriting, image generation, SEO-optimized hashtags, and post publishing into a zero-touch workflow tailored for solopreneurs and digital-first brands.

TECHNICAL SKILLS

- Backend & API Development
- Full-Stack (MERN) Engineering AI
- Automation & Prompt Engineering
- Real-Time Data Processing System Design & Deployment

SOFT SKILLS

- Problem Solving
- Async Collaboration
- Self-Learning & Iteration
- Communication
- Time Management

LANGUAGES

- English
- Hindi
- Kannada