

PAVAN NADIMPALLI

Software Engineer | Full-Stack · Front-End · Back-End | React · Node.js · Python · Java

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PROFESSIONAL SUMMARY

Software engineer with an MS in Data Science (Florida Atlantic University, 4.0 GPA, May 2026) and about two years of professional experience across front-end, back-end, and cloud work. Currently a full-time Full-Stack Developer at AfreshLeaf LLC, building and shipping production web applications with React, JavaScript (ES6+), Node.js/Express, Python, Java/Spring Boot, and MongoDB/SQL databases. Designs REST APIs, integrates third-party services, deploys to AWS, GCP, Vercel, and Docker, and debugs production issues using Git/GitHub daily. Has delivered six live websites for real businesses, including e-commerce, and owns features from requirements to deployment.

EDUCATION

MS in Data Science — GPA: 4.0 | Florida Atlantic University, Boca Raton, FL | Graduated: May 2026

B.Tech in Electronics & Communication Engineering — CGPA: 7.88 | B.V. Raju Institute of Technology, Hyderabad, India | April 2024

WORK EXPERIENCE

Full-Stack Developer (Data Science)

2026 – Present

AfreshLeaf LLC — afreshleaf.com — Florida (Full-Time)

- Own front-end and back-end development of afreshleaf.com on the MERN stack — reusable React components, Node/Express REST APIs, and MongoDB data models and queries.
- Tuned backend performance for high-traffic load and scalability (Java and Node.js); troubleshoot and debug production issues; manage all code with Git/GitHub.
- Drove organic search visibility through SEO and Google Search Console; applied data analysis and reporting to inform product decisions.

Freelance Full-Stack Web Consultant — Self-Employed

2024 – 2026

- Delivered web projects for multiple small businesses — requirements, build, deployment, and ongoing maintenance — closing the deals myself.
- Integrated third-party APIs (payments, Google Maps, SMS/notifications) and set up and managed VPS servers (Contabo, Hostinger), WHM/cPanel, domains, and DNS.

Software Developer

Apr 2023 – Jul 2024

V Build Networks — Hyderabad, India (ISO 9001:2008 Certified)

- Built a full-stack IT service management portal (Python Django & Flask) that cut incident resolution time by 40% and saved 10+ hrs/week through workflow automation.
- Built a real-time network monitoring dashboard (Cisco APIs, Python); deployed on AWS EC2/RDS/S3 with Unicorn, Nginx, Redis, and Twilio alerts.

LIVE WEB PROJECTS (BUILT & DEPLOYED)

- afreshleaf.com — company site, MERN stack (React, Node/Express, MongoDB), SEO and Google Search Console.
- gomunchz.com — MERN e-commerce platform: product catalog, cart/checkout, order management.
- danteswaridailyneeds.com — MERN e-commerce site for daily-needs retail (in progress).
- saltwatercam.com · kingstonk9.com · hilopros-com.vercel.app — React + Node.js sites for business clients (HiLoPros deployed on Vercel).

PROJECTS

SmartView AI — Intelligent Smart TV Platform | Ruby on Rails · React.js · Python · TensorFlow · AWS · Docker

- Full-stack streaming platform (Rails + React) with a TensorFlow recommendation engine and AES-256 encrypted facial recognition, deployed on AWS EC2/S3/CloudFront.

AI-Powered Discord Chatbot | Python · Discord API · Ollama · GenAI

- Chatbot combining rule-based logic with generative AI (Ollama) to teach Data Structures & Algorithms with explanations and code demos.

Connect — Carpooling App | Flutter · Firebase · Google Maps API

- Ride-coordination app with real-time GPS tracking, Google Maps fare calculation, and Firebase push notifications.

TECHNICAL SKILLS

Front-End: React.js, JavaScript (ES6+), HTML5, CSS3, responsive design, reusable components, UI/UX (Figma), SEO

Back-End & APIs: Node.js/Express.js, Python (Flask, Django), Java (Spring Boot), Ruby on Rails, REST API design, third-party API integration, OAuth, RBAC, AES-256 encryption

Databases: SQL (MySQL, PostgreSQL, Oracle), MongoDB (data models, queries, indexes), Redis, Firebase, Elasticsearch

Languages: JavaScript, Python, Java, SQL, C, C++, Ruby, Dart

Cloud & DevOps: AWS (EC2, S3, RDS, CloudFront), Google Cloud (GCP), Docker, Vercel, Nginx, Linux/Unix, CI/CD, VPS servers (Contabo, Hostinger), WHM & cPanel, DNS

AI & Data: TensorFlow, Keras, OpenCV, Ollama/GenAI, Pandas, NumPy, Matplotlib, Power BI, MATLAB

Engineering & Tools: Data structures & algorithms, OO design, debugging, performance optimization, secure coding, Agile/Scrum, Git/GitHub (advanced), Postman, Splunk, ELK Stack, MS Office