

KARTIK SWAMI

Web Developer " Cloud & DevOps Engineer

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B.Tech CSE (Expected 2027) with production full-stack and cloud infrastructure experience across real deployments. Shipped a full-stack Admin Panel & Dashboard CMS end-to-end (MERN, JWT, RBAC) and a Flask-based automation system serving 3,500+ users. Deployed production Kubernetes infrastructure on Amazon EKS and automated cloud provisioning with Terraform. Comfortable across MERN, Flask, Django, and Figma-to-production workflows. 4×hackathon podium finisher across ML, UI/UX, and product engineering.

EXPERIENCE

Software Developer Intern Vidhema Solutions

Jun 2025 Aug 2025

Jaipur, India

- " Architected and shipped full-stack Admin Panel & Dashboard CMS (MERN) from scratch JWT authentication, RBAC, Cloudinary image optimization delivering 30% faster media load times
- " Owned end-to-end deployment pipelines on Render and Netlify Git-based CI/CD automation, environment secrets management, structured route/controller/middleware architecture ensuring zero-downtime deployments

DevOps & Cloud Computing Intern LinuxWorld Informatics Pvt. Ltd.

Jun 2026 Jul 2026

Jaipur, India

- " Designed and deployed production-style Kubernetes infrastructure on Amazon EKS Deployments, Services, Load Balancers, rolling updates
- " Automated cloud infrastructure provisioning with Terraform (IaC); managed resources via AWS CLI and kubectl
- " Implemented CI/CD automation with Jenkins and Ansible; Linux administration and Bash scripting throughout

ML Engineer Intern Fox Trading ×KSHITIJ, IIT Kharagpur (via 1Stop.ai)

Feb 2025 Apr 2025

Remote

- " Delivered 3 mentor-certified ML pipelines computer vision, regression forecasting, time series modeling (ARIMA, LSTM)
- " Campus Ambassador, 1Stop.ai enrolled 150+ students in AI/ML certification programs in a single day

PROJECTS

MetaGuide AI AI-Powered EdTech Platform | React, Node.js, Express, MongoDB, Google OAuth, i18next

- " Top 5 Finalist, CodeFiesta 4.0 (100+ teams); RBAC (User/Super Admin), Google OAuth 2.0, English/Hindi multi-language support
- " LLM-integrated pipeline rendering difficulty-tiered interactive simulations live in-browser

Arya College Library Management System | Python, Flask, SQLite

- " Full-stack Flask web application replacing 100% manual library operations for 3,500+ students; ID-card scan automated entry/exit; director-recognized

minimaLinux Automated Linux Desktop Configurator | Bash, Arch Linux, Hyprland/Wayland

- " Published Bash install script automating a fresh Arch + Hyprland install package management, dotfiles deployment, backup/restore with full uninstall support

Dress E-Commerce Platform (in development) | NestJS, PostgreSQL, Prisma

- " Building a production-grade, backend-first e-commerce system; authentication module complete, product catalog in active development

TECHNICAL SKILLS

Frontend: React, Next.js, TypeScript, JavaScript ES6+, Tailwind CSS, Figma, Vite, HTML5, CSS3

Backend & DB: Node.js, Express.js, Flask, Django, REST API Design, JWT, RBAC, Google OAuth 2.0, MongoDB, SQL

Cloud & DevOps: AWS (EC2, S3, IAM), Azure (Fundamentals, DevOps), Docker, Kubernetes, Amazon EKS, Terraform, GitHub Actions, CI/CD, Jenkins, Ansible

AI & Automation: LLM Integration, Generative AI, Prompt Engineering

Tools: Git, GitHub, Linux (Arch, Hyprland/Wayland), Postman, Cloudinary, Render, Vercel, Netlify

EDUCATION

B.Tech, Computer Science & Engineering Arya College of Engineering, Jaipur | Expected Mar 2027

Head, College Technical Team " Technical Batch CR " Research Paper in Active Submission

CERTIFICATIONS & ACHIEVEMENTS

4×Hackathon Podiums: CodeFiesta 4.0 (Top 5), BuildX (UI/UX), Projectathon 2.0, Projectathon

Automation Anywhere Certified Essentials Professional " IBM (AI, Cybersecurity, GenAI) " HackerRank SQL Advanced " openHPI

Time Series Analysis " Wolfram U " Oracle