

KARTIK SWAMI

AI/ML Engineer " Cloud & DevOps Engineer

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B.Tech CSE (Expected 2027) with production ML and cloud infrastructure experience across real deployments. Delivered 3 mentor-certified ML pipelines computer vision, regression forecasting, time series modeling under Fox Trading xIIT Kharagpur. Deployed production Kubernetes infrastructure on Amazon EKS and automated cloud provisioning with Terraform. Built LLM-integrated platforms with RBAC, OAuth, and generative AI pipelines. 4xhackathon podiumfinisher across ML, UI/UX, and product engineering.

EXPERIENCE

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, LoadBalancers, rolling updates
- " Automated cloud infrastructure provisioning with Terraform (IaC); managed resources via AWS CLI and kubectl
- " Containerized and deployed a production application on EKS with IAM configuration and public LoadBalancer access
- " Implemented CI/CD automation with Jenkins and Ansible; Linux administration and Bash scripting throughout

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

Feb 2025 Apr 2025

Remote

- " Built end-to-end computer vision pipeline for Human Action Detection feature extraction, model training, evaluation, deployment; mentor-certified
- " Delivered Order Volume Prediction regression and multi-step forecasting with feature engineering, cross-validation, MAE/RMSE/MAPE benchmarking
- " Modeled Bike Sharing Demand Forecasting using ARIMA, ensemble methods, and LSTM across full preprocessing-to-inference workflow
- " Campus Ambassador, 1Stop.ai enrolled 150+ students in AI/ML certification programs in a single day

Software Developer Intern Vidhema Solutions

Jun 2025 Aug 2025

Jaipur, India

- " Architected full-stack Admin Panel & Dashboard CMS (MERN) JWT authentication, RBAC, Cloudinary optimization cutting media load time 30%
- " Owned CI/CD deployment pipelines on Render and Netlify with Git-based automation and secrets management

PROJECTS

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

- " Top 5 Finalist, CodeFiesta 4.0 (100+ teams, 24-hr hackathon); LLM pipeline auto-generating difficulty-tiered interactive simulations
- " RBAC, Google OAuth 2.0, multi-language support, persistent storage of AI-generated content

Arya College Library Management System | Python, Flask, SQLite

- " Replaced 100% manual library operations for 3,500+ students with ID-card scan automated entry/exit; director-recognized; research paper in submission

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

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

TECHNICAL SKILLS

ML & Data Science: Python, Pandas, NumPy, scikit-learn, ARIMA, LSTM, Transformers, Computer Vision, Feature Engineering, Time Series Forecasting

AI & Automation: LLM Integration, Generative AI, Prompt Engineering, AI Pipeline Design, RPA (Automation Anywhere Certified)

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

Backend & Web: Node.js, Express.js, Flask, REST API Design, JWT, RBAC, MongoDB, SQL

Tools: Git, GitHub, Linux (Arch, Hyprland/Wayland), Postman, Bash/Shell

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

4xHackathon 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 " Orade