

VIVEK SHUKLA

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SUMMARY

Motivated and technically skilled Cloud Engineering fresher with a strong foundation in AWS services, Linux Administration, and Network Security. Proven ability to design and deploy conversational AI solutions using AWS Lex. Proficient in Shell Scripting for automation and adept at public speaking. Recognized by NASA as a "Galactic Problem Solver" for impactful web solutions. proficient in designing conversational AI bots and deploying scalable applications. Seeking an entry-level Cloud Engineer role to leverage technical acumen and drive infrastructure efficiency.

WORK EXPERIENCE

Cloud Computing Intern

DEC 2024 - JAN 2025

- AWS Lex Chatbot Development: Engineered three distinct conversational AI bots using AWS Lex to automate customer service workflows, improving user engagement metrics.
 - Automated Car Purchasing System: Developed a "Car Buying Assistant" capable of collecting user demographics and filtering through a database of 20+ car models based on price, color, and delivery preferences.
 - E-Commerce & Railway Solutions: Designed complex conversation flows for an Online Shopping bot and a Railway Ticket Booking system (mimicking IRCTC logic for General/Tatkal quotas), successfully handling slot filling and intent recognition.
 - Testing & Optimization: Executed rigorous testing on local platforms to ensure intent accuracy; optimized bot responses to handle edge cases in user inputs effectively.
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PROJECTS

OCT 2024

Spacifyer - NASA Space Apps Challenge

- Project Link: spacifyer-a-geomagnetic-experience.vercel.app
- Development & Deployment: Developed a web application providing an immersive "Geomagnetic Experience" to visualize space weather data.
- Recognition: Awarded "Galactic Problem Solver" by NASA for outstanding efforts in addressing Earth and Space challenges.
- Cloud & Hosting: Deployed the solution on Vercel, ensuring high availability and global accessibility.

Aug 2025 - Oct 2025

Titanic Survival Prediction

- **Predictive Modeling:** Built a binary classification model to predict passenger survival rates using Logistic Regression, Random Forest, and XGBoost.
 - **Data Engineering:** Performed extensive preprocessing, handling missing values (Age/Embarked) and feature engineering (Title extraction, FamilySize) to improve model performance.
 - **Optimization:** Implemented Randomized SearchCV to tune hyperparameters, optimizing the Random Forest classifier for maximum accuracy
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EDUCATION

B.Tech in Computer Science and Engineering

SEP 2022 - SEP 2026

School of Computer Science and Engineering (Sandip University -Nashik)

- Learn Computer Science and Cloud Computing
 - Thesis on "Innovations in Sustainable Engineering Practices".
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ADDITIONAL INFORMATION

- **Technical Skills:**
Cloud & DevOps: AWS (Lex, EC2, S3), Vercel Deployment, Linux Administration.
AI/ML: Machine Learning Algorithms (Random Forest, XGBoost), Predictive Modeling, Python (Pandas, Scikit-learn).
Scripting & Web: Shell Scripting, HTML/CSS (for project UI).
- **Certifications:**
Artificial Intelligence & Machine Learning | Learn Flu (AICTE Approved).
Entrepreneurship Essentials | NPTEL (IIT Kharagpur) - Score: 50%.
- **Awards:**
Galactic Problem Solver | NASA International Space Apps Challenge 2024.
Public Speaking | Active speaker on Cloud & Cyber Security trends.