

PRINCY KSHIRSAGAR

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OBJECTIVE

Passionate AIML & Cloud Engineer skilled in AI Infrastructure, AI Cloud & AI Automation. Actively seeking impactful opportunities in India & Dubai to contribute to innovative, high-growth projects with forward-thinking tech teams.

AREA OF EXPERTISE

- Cloud Platforms: AWS (EC2, S3, Lambda, AWS (quantum computing), Azure, GCP
- AI Automation: Python, Pandas, GPT, Claude, SageMaker, Scikit-learn, MLflow, Ollama, N8N.
- DevOps & IaC: Terraform, Docker, Kubernetes, Jenkins, CI/CD pipelines
- Cybersecurity: Kali Linux, Wireshark, Nmap, Brute Suite, Python for Pentesting
- AI/ML Engineering: Python, Pandas, SageMaker, Scikit-learn, MLflow, AI Automation
- Programming & Tools: Python, NOSQL, JavaScript, Java, GitHub, REST APIs

EDUCATION

Bachelor of Technology Cloud Technology & Information Technology

Ajeenkyा DY Patil University, Pune, India
specialization Cloud Technology & Information AI/ML

2021 - 2025

Cgpa 8.09

Higher Secondary Education,
Sant Tukaram Collage

2019 - 2021

Percentage 78%

PROFESSIONAL EXPERIENCE

Code Technology

Feb 2025 - April 2025

Assigned Project Head(s) AI Pune Maharashtra India AI/ML Internship

Led AI chatbot design and deployment with OpenAI API and AWS Lambda, focusing on usability, ethical AI, and scalable cloud deployment for a real-time Q&A system. Dealing with AI Tools & Assign task to team members 5 months Duration.

NullClass | IT / Computers - Software Pune, maharashtra

Apr 2024 - Oct 2024

Cyber Security Analyst

Key Skills: nmap Burntforce Python , Network technology cisco. WEB Security tool, Operating system security .

I am working in the operating system security and web security department to secure the firewall layer with Kali Linux and Python scripting.

Freelancing

May 2025 - Nov 2025

AI automation , web development.

project name - Norva Traviling company (On bording week) Website Building

PROJECTS

Quantum-Enhanced Secure Communication via One-Time Pad and Key Distribution

Jan 2025 - May 2025

- Developed a quantum-secure communication simulator with a Python-based GUI, implementing Quantum Key Distribution and One-Time Pad encryption to demonstrate advanced, cloud-ready data security solutions by using AWS Bracket Quantum computation.
- GitHub: [Quantum Project](#)
- Implemented a highly secure communication system using quantum key distribution (QKD) and one-time pad encryption. Simulated quantum key exchange using Qiskit and integrated cryptographically secure OTP algorithms to ensure unbreakable end-to-end encryption. Demonstrated advanced cybersecurity principles with AI and practical applications of quantum computing for next-gen secure data transmission.

PUBLICATIONS RESEARCH PAPER

- **Research paper topic name:** Quantum-Enhanced Secure Communication via One-Time Pad and Key Distribution
- **General of publication:** Journal of Emerging Technologies and Innovative Research
- **Cite This Article DOI:** "Quantum-Enhanced Secure Communication via One-Time Pad and Key Distribution", International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.12, Issue 5, page no.a431-a445, May-2025, Available :<http://www.jetir.org/papers/JETIR2505045.pdf>
- **Published Paper URL ::** <https://www.jetir.org/view?paper=JETIR2505045>
- **Published Paper PDF:** <https://www.jetir.org/papers/JETIR2505045>

ADDITIONAL INFORMATION

- **Programming Languages:** HTML,CSS, C, JavaScript,Python,Javascript,MongoDB
- **Frameworks:** Figma, Bootstrap, Workflow, Lovable.AI, Linux
- **Developer Tools:** VS Code, GitHub, Git, Atom, PyCharm,
- **Soft Skills:** Problem Solving, Collaboration, Communication, Adaptability
- **Award & Scholarship:** AWS DeepRacer Student (<https://student.deepracer.com/profile>), Skill India Hackathon 2024 Institute.
- **Language:** English, Deutsch, Hindi, Marathi.

CERTIFICATION

- Udemy Certification: Complete Python Bootcamp For Everyone From Zero to Hero 2025
- Generative AI – Scored 98/100; AI/ML with AWS tools.
- AWS Solutions Architect (Pro) – Advanced AWS cloud engineering.
- AWS Solutions Architect – Core cloud infrastructure and APIs.
- Master Python Programming – Built 100+ Python projects (OOP, REST, GUI).
- Computer Security (Colorado Univ.) – System and network security.
- Python for Pentesters – Python for hacking and forensics.

PERSONAL INFORMATION

- Name: Princy Kshirsagar
- Gender: Female
- Current Address: Wagholi Pune Maharashtra, Pune City,
- Maharashtra, India - 412207
- Date of Birth: 06 Oct, 2003
- Known Languages: English, Hindi, Marathi, German
- Phone Number: +91-7067525165
- Emails: princykshirsagar@gmail.com
- Passport: Valid
- Portfolio: <https://www.notion.so/Portfolio-c46c84abb5a84fc0b681638aa9b835c3>