

# Arideep Kanshabanik

+91-6291-895934 | arideepkanshabanik@gmail.com | *Linkedin*: linkedin.com/in/arideep-kanshabanik |  
*Github*: github.com/ArideepCodes | *Portfolio*: arideep.xyz

## EDUCATION

<b>Swami Vivekananda University</b> <i>Bachelor of Technology in Computer Science &amp; Engineering (AI &amp; ML); CGPA: 8.0/10.0</i>	Barrackpore, India Aug 2023 – May 2026
<b>JIS School of Polytechnic</b> <i>Diploma in Electronics &amp; Telecommunication Engineering; GPA: 8.8/10.0 (82.8%)</i>	Kalyani, India Aug 2020 – Jul 2023

## TECHNICAL SKILLS

**Languages:** Python, SQL, C++, JavaScript, LaTeX  
**AI/ML Frameworks:** TensorFlow, PyTorch, Scikit-learn, Keras, NLTK, Hugging Face Transformers  
**Web & Cloud:** Streamlit, Django, Flask, AWS (EC2, S3, Lambda), GCP, Docker, RESTful APIs  
**Data & Automation:** Pandas, NumPy, Matplotlib, n8n, MLOps, Git, CI/CD, Jupyter Notebook  
**Specializations:** Machine Learning, Deep Learning, NLP, Computer Vision, Cybersecurity, IoT

## PROJECTS

- Cloud Incident Autopsy System** | *Python, AWS, GCP, NLP, Streamlit*
- Built multi-cloud forensics platform automating incident analysis across AWS and GCP with AI-driven log parsing
  - Reduced manual investigation time by 60% through automated event correlation and intelligent report generation
  - Implemented real-time threat detection using machine learning models for anomaly identification in cloud logs
- AI-Powered Network Packet Forensics Analyzer** | *Python, Streamlit, ML, Scapy*
- Developed comprehensive PCAP analysis tool with protocol dissection, GeoIP tracking, and WHOIS integration
  - Achieved 90%+ accuracy in malicious traffic detection using custom ML models and real-time threat scoring
- CyberWatch - AI Threat Hunting Dashboard** | *Streamlit, Python, TensorFlow, APIs*
- Created real-time cybersecurity monitoring dashboard with AI-powered threat explanations and attack visualization
  - Improved threat detection accuracy by 40% through integration of live attack feeds and geographic mapping
  - Implemented automated IP intelligence lookup system processing 10,000+ security events daily
- Custom CNC Engraving System** | *Python, Arduino, IoT, Computer Vision*
- Engineered full-stack CNC system with Python-Arduino integration for precise real-time motion control
  - Increased engraving precision by 70% through optimized G-code generation and feedback loop algorithms

## EXPERIENCE

- Freelance AI & Automation Developer** Remote  
*Self-Employed* May 2025 – Present
- Acquire clients through online platforms and build AI-powered applications and automation systems
  - Deliver end-to-end solutions from development to deployment
- Ethical Hacking Intern** Remote  
*Internshala Trainings* Jan 2024 – Mar 2024
- Conducted penetration testing and vulnerability assessments on web applications and network infrastructure
  - Identified and documented 50+ security vulnerabilities with detailed remediation recommendations
- Web Development Intern** Kolkata, West Bengal  
*Euphoria GenX* May 2022
- Developed full-stack web applications using Django framework with PostgreSQL database integration
  - Implemented RESTful APIs and optimized database queries reducing page load times by 35%

## ACHIEVEMENTS & CERTIFICATIONS

**Awards:** JIS Samman for Innovation and Excellence in Technology  
**Certifications:** AWS Academy Cloud Foundations (Amazon), Generative AI Foundations (upGrad), Python Pro Bootcamp (Udemy), Business Analysis & Process Management (Coursera), Data Analytics Job Simulation (Accenture), Additional certifications across AI, Cloud & Security.