

NS Akash

AI/ML Engineer | Cybersecurity Builder | Systems Thinker

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Bengaluru, Karnataka, India | Open to internships | Target roles: AI/ML Intern, Cybersecurity Intern, SDE Intern

I build deployable AI and cybersecurity systems that solve real problems with live demos, measurable proof, and production-ready thinking. Execution-focused builder with real-world usability focus, moving from idea to working system in short cycles. Best aligned with AI/ML, cybersecurity, and software engineering internship roles where hands-on execution matters.

Not just models - I build complete working systems around them.

Rapid execution: idea to working system in short cycles. Designed with focus on edge cases, failure scenarios, and real-world usability.

Core technologies: Python, Java, ML pipelines, NLP workflows, OCR systems, feature engineering, model evaluation, Streamlit deployment, AWS, Linux, Cybersecurity, IoT, automation, GitHub, research writing

SELECTED PROJECTS

- Students often struggle with unclear resume feedback, so I built CareerPulse AI using Python, Streamlit, and NLP workflows to score resumes, flag weak sections, and generate actionable improvements; result: structured feedback generated instantly through a scored workflow tested across 50+ real resume inputs.
- Manual note digitization is slow and error-prone, so I built ScribbleQ using Python, OCR, computer vision, and deep learning to convert handwritten content into reusable editable text; result: faster content workflows backed by live demo, source repository, and preprint.
- IoT environments need earlier threat visibility, so I developed an ML pipeline for DDoS detection using preprocessing, feature engineering, and model evaluation to turn raw traffic data into detection-focused security signals; result: earlier detection visibility through a 3-stage workflow.
- Unsafe removable media remains a real operational risk, so I am building a USB Drive Malware Scanner using Python, rules-based file checks, and reporting automation; result: safer removable-media handling through a 3-step scan path.

EXPERIENCE

- Campus Champ - Summer Internship I and II | Sep 2024 and Jul 2025: Executed AI/ML project work involving implementation, structured experimentation, and technical delivery during NEP-aligned internship programs.
- Fortinet - Project Intern | Feb 2024 to May 2024: Applied network security concepts to build defensive thinking and system-level risk analysis in practical scenarios.
- Amaravathi Software Innovations - AI/ML and Data Analytics Intern | Dec 2023 to Jan 2024: Completed a 220-hour internship covering preprocessing, model development, evaluation pipelines, and analytics-driven reporting.
- IU International University of Applied Sciences | Jun 2023 to Jul 2023: Researched digital innovation and intrapreneurship themes with emphasis on execution strategy, business transformation, and cross-functional product thinking.

EDUCATION

- University of Visvesvaraya College of Engineering - B.Tech in Artificial Intelligence and Machine Learning | Jul 2024 to Jul 2027
- B G S Polytechnic - Diploma in Computer Science and Engineering | Jan 2021 to May 2024
- L R G Vidyalayam - Primary and secondary schooling | May 2011 to Apr 2020

ACHIEVEMENTS AND PROOF

- 2 live demos with public source links across CareerPulse AI and ScribbleQ.
- CareerPulse AI tested across 50+ real resume inputs with consistent output generation.
- 8 research outputs across AI, IoT security, cloud systems, privacy, and sustainability themes.
- 9 technical certificates including Fortinet NSE 1, Fortinet Certified Associate in Cybersecurity, Fortinet Certified Fundamentals in Cybersecurity, AWS Security Specialty, and AWS SCS-C02 learning.
- Consistent GitHub activity with deployable, documented systems and clear proof trails.

CERTIFICATIONS AND LANGUAGES

Certifications: Fortinet NSE 1, Fortinet Certified Associate in Cybersecurity, Fortinet Certified Fundamentals in Cybersecurity, AWS Security Specialty, AWS SCS-C02 learning, OOPs in Java, Infosys Springboard, SkillUp by Simplilearn, CertiProf Business Intelligence Foundation.

Languages: English, Kannada, Telugu, Hindi, and basic Japanese.