

Kinjal Pandey

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Motivated MS Computer Science student at UMass Amherst with a BS in CS from Virginia Tech, experienced in AI, ethical tech, and digital strategy. Proven leadership in community-driven tech initiatives. Skilled in backend development, AI applications, digital transformation, and user-focused innovation. Passionate about responsible AI, tech policy, and applying ML for social good.

Education

M.S. in Computer Science, Concentration: Security and Field Experience

June 2025 – May 2027 (Expected)

University of Massachusetts, Amherst | GPA: 4.0

B.S. in Computer Science, Minor in Mathematics

Graduated May 2025

Virginia Tech | GPA: 3.7

Experience

Technical Consultant – Steve Fisher Consulting

May 2025 – Present

- Spearheading a comprehensive digital overhaul for a construction litigation law practice, including implementation of automated systems and scalable digital workflows to enhance legal service delivery and back-office efficiency.
- Developed and deployed a secure, SEO-optimized website and integrated end-to-end intake systems—including lead pipelines and CRM workflows—that streamlined client onboarding, and significantly improved operational efficiency.
- Architected and implemented a custom server infrastructure with role-based access controls and encrypted storage, and routing workflows, reducing manual handling, enhancing data security, and ensuring compliance with legal standards.

Technical Consultant – Simple Coaching Inc.

March 2025 – May 2025

- Directed the full-cycle design, development, and deployment of a fully responsive website, transforming outdated digital assets into a modern, accessible platform that elevated brand identity and enhanced user experience across devices.
- Implemented targeted SEO strategies, driving significant increases in search engine visibility, organic web traffic, session duration, and qualified lead conversions through improved content structure and metadata optimization.
- Collaborated with leadership to develop a digital strategy aligning the company's online presence with the business goals.

Back End Developer Intern – GBCS Group

March 2024 – December 2024

- Engineered scalable REST API infrastructure and optimized SQL databases to support enterprise web applications.
- Built internal dashboards for analytics, collaborated with cross-functional teams to align backend systems with product goals, and maintained clean, well-documented code using Git for seamless collaboration and deployment.

AI Intern – CodSoft

March 2024 – May 2024

- Designed and implemented supervised machine learning models for classification and regression using Python, scikit-learn, and pandas; enhanced model accuracy through feature selection, hyperparameter tuning, and cross-validation techniques.

Researcher – Commonwealth Cyber Initiative Southwest Virginia

October 2023 – January 2024

- Designed and implemented cryptographic algorithms and anomaly detection models to improve the security and reliability of ML applications in critical infrastructure, with a focus on encryption, error correction, and real-time data validation.

Leadership & Engagement Coordinator – Virginia Tech

January 2023 – December 2024

- Delivered academic mentorship and guidance to 150+ first-year students through structured programs and peer-led support, helping foster community engagement, student retention, and holistic development across diverse cohorts.
- Championed inclusive leadership and student wellness initiatives within a 2,000+ resident community, coordinating policy communications, and leading wellness-focused events while building a culture of equity and belonging.

Skills

- **Programming & Development:** Python, C, Java, SQL, MATLAB, HTML/CSS, JavaScript; API integration, data pipelines
- **AI & Machine Learning:** TensorFlow, PyTorch, LLMs, reinforcement learning, neural networks, model optimization
- **Cloud & Big Data:** AWS, Azure, Google Cloud, Hadoop, and Spark for scalable computing and data-driven applications
- **Tools & Workflow:** Git, REST APIs, SolidWorks; Agile environments, technical documentation, UX/SEO strategies
- **Soft Skills:** Communication, inclusive leadership, adaptability, problem-solving, project management, public speaking

Projects

- **Prosthetic Hand:** Developed a machine learning-based prosthetic hand using Python and Arduino, integrating CAD modeling, 3D printing, and servo motor control to enable adaptive grip based on real-time sensor input. Applied neural networks for gesture classification, demonstrating AI in biomedical engineering and assistive tech.
- **CalendAI Scheduler App:** Built an intelligent calendar and task assistant using Python, scikit-learn, and basic NLP to personalize scheduling based on user preferences, routines, and constraints. Optimized task prioritization and time-blocking strategies to support focus and prevent overload. Project won a KickStart VT Seed Grant for student entrepreneurship and social impact.

Certifications

- IBM Z Xplore: Concepts
- Microsoft: Fundamentals of Generative AI, Fundamentals of Azure AI Document Intelligence, Fundamentals of Computer Vision, Train and Evaluate Regression Models, Explore and Analyze Data with Python

Honors and Awards

- International Impact Award and Silicon Valley Campus Scholarship – Northeastern University
- KickStart VT Seed Grant Winner – CalendAI, Virginia Tech
- Student Affairs Scholarship, Buzz's Bunch Scholarship Award, Virginia Pell Initiative Grant – Virginia Tech
- Undergraduate Research Excellence Program Member – Virginia Tech – Selected for outstanding research contributions
- Featured in Patch, NRV News, and Medium – Recognized for AI innovation and early graduation

Leadership and Organizations

- **Microsoft Learn Student Ambassador – Microsoft** January 2024 – December 2024
Represented Microsoft in academia by organizing workshops and peer-learning sessions focused on Azure, GitHub, and Power Platform, empowering students to develop cloud-native applications and DevOps pipelines.
- **IBM Z Student Ambassador – IBM** NOVEMBER 2023 – JUNE 2024
Represented IBM on campus by leading student-focused initiatives that demystified enterprise computing, mainframe architecture, and hybrid cloud adoption through live workshops, hands-on demos, and curated learning paths.
- **Google Developer Student Club Lead – Google** OCTOBER 2023 – JUNE 2024
Led a Google-sponsored student chapter to deliver high-impact workshops and hackathons on AI, cloud, and full-stack development, driving adoption of Google technologies and cultivating a vibrant learning ecosystem on campus.
- **President – Commonwealth of Scholars** Aug 2023 – Dec 2024
Led the university's premier academic honors community by organizing cross-disciplinary events, mentoring high-achieving students, and fostering an inclusive culture that celebrated excellence, innovation, and leadership.
- **President – International Student Support Team** Jul 2023 – Dec 2024
Directed a team of peer leaders in supporting international and underrepresented engineering students by coordinating outreach events, academic mentorship, and resource navigation to promote equity and belonging.