

Pranish Adhikari

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EDUCATION

Virginia Polytechnic Institute and State University (Virginia Tech)
Bachelor of Science, Computer Science

Blacksburg, VA
Dean's List: Fall 2022 | Expected Graduation: December 2024

EXPERIENCE

CACI – Workforce Development Program
Full-Stack Developer Intern

Sterling, VA
May 2024 – August 2024

- Led the development of a full-stack signal simulator web application across the company's testing departments, leading to a **30%** increase in testing efficiency and a significant reduction in operational costs.
- Integrated live data streaming for real-time signal visualization and upgraded the codebase to use **Flask, Angular, and Docker**, resulting in increased UI functionality and system performance.
- Selected among the top **5%** of interns to present project progress to company Vice Presidents, resulting in application deployment.

Software Developer/Researcher

August 2023 - Present

- Engaged in hands-on research through the Virginia Tech National Security Institute's Scholar Development & Research Program in collaboration with CACI, specializing in signal processing, communications, and software-defined radios.
- Received mentorship, attending technical seminars, and presenting weekly updates while committing 10 hours per week.

Boeing – Pamplin Technology Commercialization Fellowship
Director of Operations

Blacksburg, VA
July 2024 – Present

- Aided the COO in overseeing all operational activities, ensuring efficient management and execution of club initiatives.
- Coordinating with various departments to drive strategic goals, enhance member engagement, and foster a collaborative environment.

Solutions Architect

August 2023 – July 2024

- Created a conversational AI model, for Boeing, utilizing Python and machine learning algorithms to optimize the regulations process and increase safety.
- Leveraged strengths in critical thinking, detail-oriented problem-solving, and adaptability through comprehensive data analysis and efficient strategy adjustments.
- Collaborated with leadership, conducting market research, and fostering partnerships at industry events, all while actively supporting engaging program events and workshops.

Diggeridoos at Virginia Tech – Engineering Design Team
Software Developer

Blacksburg, VA
January 2023 - Present

- Collaborated with teammates to create a GUI using React for our Tunnel Boring Machine.
- Demonstrated adaptability when working with Electrical sub-team to connect back and front-end systems.
- Ranked 3rd in The Boring Company's Not-a-Boring Competition where 12 teams are selected from 400 applicants.

PERSONAL PROJECTS

Evergreen Visions
Founder/COO

July 2023 – Present

- Established Evergreen Visions, a niche social media marketing agency catering to chiropractors.
- Oversaw the agency's website development, domain registration, and implementation of security measures, while also driving client engagement through cold calls, strategic emails, and personalized in-person meetings.
- Managed remote employees, which boosted conversion rates by **65%** and contributed to the creation of innovative marketing strategies.

Signal Simulator

May 2024 – August 2024

- Optimized application functionality, reducing GET request time from 1 minute to milliseconds by implementing efficient data structures.
- Implemented live data streaming for real-time signal visualization and modernized the codebase with **Flask, Angular, and Python**, enhancing UI functionality and boosting system performance.
- Upgraded codebase from Python 2 to Python 3 and system from Rhel 7 to Rhel 8. Reconfigured GitLab pipelines and **Docker** container to validate Python 3 and Rhel 8 syntax, improving build status monitoring and enhancing debugging capabilities.

SKILLS

Technical: AI/ML, Web Development, CAD, Git, SQL, Microsoft Office, SEO, SEM, CRM, Web Analytics, Flask

Programming Languages: Java, Python, C, Arduino, MATLAB, HTML, JavaScript, CSS, React, Angular

Professional: Problem Solving, Collaboration, Adaptability, Critical Thinking, Leadership, Detail-Oriented, Management