

Shamsullah Ahmadzai

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Education

College of William & Mary | Williamsburg, VA
Bachelor of Science in Computer Science | 05/2024

- 3.5 GPA with relevant courses in: Data Structures, Algorithms, Computer Organization, and Software Development, Database Systems, Intro to Machine Learning, Finite Automata, Principles of Programming Languages.
- Extracurriculars: Alan B. Miller Entrepreneurial Center (*Tech Lead*), T'Swap (*Founder*), F.L.O.E Podcast (*Founder*), Robotics Club (*President*), Association for Computing Machinery, B.A Investment Club, Google Developers Club at W&M
- PEP Competition Team (*2022-2023 Third Place Winner; 2023-2024 Team Captain*)
 - Built an autonomous electric boat from scratch, integrating sensors, telemetry, and GPS for waypoint navigation.

Projects

PEP (Promoting Electric Propulsion) Competition Team at William & Mary; Built an autonomous drone for air quality sampling; Working on an Android and iOS e-bike app that offers metrics and user controls via a Bluetooth connection; DIY camera system in a Linux environment using Raspberry Pi's and centralizing the camera feeds over local internet.

Experience

Alan B. Miller Entrepreneurship Center | Williamsburg, VA
Student Tech Partner | 01/2023 - Present

- Implementing automations with Python and improving workflows with Power Automate, reducing task times by 30 minutes.
- Developing a chatbot with Power Virtual Agents, increasing engagement by 1200 interactions.
- Improving data comprehension by 100% using Power BI processes.
- Resolving over 82+ hub technical and software issues, ensuring a continuous workflow.
- Mentoring 12 members on the Microsoft Power Platform, enhancing productivity by 40%.

Digital Key, LLC (Software Consulting & Development) | Richmond, VA
Founder | 07/2022 - Present

- Orchestrating business operations, achieving a 25% growth in revenue through effective financial management, sales, and marketing strategies, with a strong emphasis on leveraging Python for business automation.
- Creating user-friendly and secure products resulting in a 45% increase in customer satisfaction.
- Managing a cross-functional team of 5, fostering synergy and achieving a 20% improvement in project delivery timelines.
- Optimizing resource allocation, yielding a 15% increase in operational efficiency, and contributing to a healthy bottom line.
- Implementing SEO best practices, boosting software product visibility and generating a 120% increase in web traffic.

A&S Web Development | Richmond, VA
Founder | 08/2016 – 01/2022

- Developed full-stack applications using HTML, CSS, JavaScript, PHP, SQL, Go, and Python, catering to RVA businesses.
- Generated B2B leads through targeted social media marketing strategies.
- Mentored teams in full-stack development, UI/UX design best practices, and scripting in Python, JavaScript, and Bash.
- Crafted graphics and UI components, enhancing site aesthetics and user engagement.
- Boosted client website traffic and sales by 65% with cohesive brand marketing.

Skills

Technical Skills: Java, JavaScript, HTML5, CSS, Python, SQL, C, C++, C#, React, React Native, APIs, Agile, Git, CMS (Content Management System), SEO (Search Engine Optimization), Software Development, Adobe Creative Suite, Graphic Design, Microsoft Power Platform, Google Cloud Suite, Full Stack, Networking, REST API, Figma, WebFlow, UI/UX, Unix/Linux Environments
Non-Technical Skills: Time Management, Entrepreneurship, Leadership, Teamwork, Creativity, Grit, Perseverance, Tolerant to Risk
Language: Pashto (Fluent), Persian (Fluent), Spanish (Professional Proficiency)