Khushi Sharma

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EXPERIENCE

Extern, HP Technologies *(October 2024 – November 2024)*
- Analyzed startup metrics, cleaning and visualizing data using **SQL,** Excel, and OpenRefine to identify top **20% growth** opportunities in **AI productivity** tools.
- Evaluated product and business models, recommending top **15% of startups** aligned with HP Tech Ventures' strategic goals.

Web Application Developer Intern, iDayDream Studios *(June 2024 – October 2024)*
- Developed a Discord bot for attendance tracking with **Node.js**, reducing employee time and effort by **40%**.
- Created **AI-driven** social media **automation** using Python and Selenium, reducing workload for small businesses by 60%.
- Designed and built responsive websites with HTML, CSS, JavaScript, and **React.js**, actively participating in **client meetings**.
- Improved project quality by **15%** through QA testing**, stakeholder** management, and **UAT** facilitation.

Data Analyst Research Assistant, University of Wisconsin Milwaukee *(Jan 2024 – Present)*
- Developed Python-based software for portable water quality monitoring, improving **data processing** speed by **20%**.
- Enhanced accuracy by 30% using **Raspberry Pi** and **Arduino** for hardware interfacing and automation.
- Applied **NumPy** and **SciPy** for voltametric analysis, peak analysis, and signal filtering, improving signal processing by **15%**.

Software Developer Intern, Yashika Skill Development Ltd. *(Jan 2022 – July 2023)*
- Strengthened application security by addressing critical **authentication vulnerabilities**, reducing security risks by **30%**.
- Worked **in Agile teams**, enhancing collaboration and efficient workflow on **large-scale** projects.
- Designed and developed "PG LIFE" website using HTML, CSS, JavaScript, PHP, and SQL.
- Acted as **Scrum Master**, leading stand-ups and **sprint planning**, increasing project efficiency by **20%**.

PROJECTS
- **Neuro-Pilot:** Built a **self-driving car** simulation from scratch using **JavaScript**, incorporating **neural networks**, driving mechanics, sensor simulation, and traffic dynamics.
- **2D Fighting game:** Developed a **full-stack gaming application** with GDScript, **MongoDB**, and Blender; features include multiple characters, **AI-driven moves**, and secure login functionality.
- **Card Crafter:** Created an app in **React.js** for customizable business card generation, supporting PNG, JPG, and PDF formats.
- **VFS**: Implemented a **virtual file system** in **C** with functions like import, export, mkdir, ls, create, open, and remove.
- **Data Visualization**: Built a COVID-19 tracker, Netflix dashboard, and Pi visualizer using Tableau and Python.

EDUCATION
University of Wisconsin-Milwaukee, Bachelor of Science in Computer Science, Milwaukee, WI
Relevant Coursework: Data Structure, Database, Software Engineering, Web Development, Operating Systems, Cyber Security, Unix, System Designing, Algorithm Design, Computer Architecture, Programming Language Concepts (SML, Scala).

CERTIFICATIONS
- **Codepath Cybersecurity Fellowship:** Access control, network monitoring, malware detection, incident response.
- **Google Cloud Program –** Google Arcade badges in Cloud Computing, Data Engineering, DevOps, Security, API, Networking
- **Microsoft Learning Paths**: Azure AI, Cloud Computing, Python, C#, Power tools, Microsoft 365.
- **Salesforce Trailhead**: Tableau, Database Management, Scrum, Kanban, Salesforce einstein.

LEADERSHIP, EXTRA CURRICULARS, & HONORS
- Led a team to secure a top-scoring position at **Kimberly-Clark Hackathon**, 2024
- **Rewriting The Code:** Led initiatives to promote gender diversity in STEM fields through outreach and community engagement.
- Dean's list 2024.
- **Society of Women Engineers:** Organized tech summits**, workshops**, events, logistics and coordinating technical sessions.
- Coding Challenge Winner, **Rockwell Automation** Engineer's Week Challenge, 2024
- Girls Who Code **Volunteer**: Mentored young girls in STEM and coding.
- **Google Development Student Club:** Led a 4-member team during a **36-hour hackathon**, won best solution award.

SKILLS
- **Programming Languages and Frameworks**: Python, JavaScript, C, C++, GD Script, JSON, React.js, Node.js, C#, Rest API
- **Database Management and Analysis**: MySQL, SciPy, NumPy, Matplotlib, Excel, Power BI, Tableau, MongoDB
- **Developers' tools:** Git, Docker, Godot, GitHub, Figma, Adobe Suit, WordPress, Google Cloud Platform, PyCharm, VS Code
- **Business & Functional Skills:** Salesforce, Stakeholder Management, Agile (Scrum), UAT, Requirements Validation