

Ayush Srivastava

(716) 730-9248 | ayushsri@buffalo.edu | [linkedin/ayush-sri](https://www.linkedin.com/in/ayush-sri) | m-portfolio-green.vercel.app | [github/axxyush](https://github.com/axxyush)

EDUCATION

University at Buffalo, The State University of New York Expected May 2027
Bachelor of Science in Computer Science (Specialization: Software Engineering), CGPA - 3.7/4.0 Buffalo, NY

TECHNICAL SKILLS

Tech Stack: Java, Python, C/C++, JavaScript, React, Node.js, MongoDB, Express.js, PostgreSQL
Tools/Skills: Git/GitHub, Docker, REST APIs, Data Structures & Algorithms, Debugging, Programming Language

PROJECTS

- MeetWise [Link]** | *React.js, FastAPI, PyTorch, MongoDB, HuggingFace, RunPod* Jun. 2025 – Jul. 2025
- Implemented 6 endpoints (create, list, retrieve, upload, check, AI chat) with JWT authentication & MongoDB.
 - Integrated Whisper & Pyannote on RunPod to auto-generate speaker-segmented transcripts, and built an in-app editor for refining transcript and speaker labels.
 - Developed the frontend with an AI chat, allowing users to ask questions about the meeting, eliminating the need for note-taking & memorization.
- Pehcharm [Link]** | *React.js, Node.js, Express, MongoDB, APIs, Render, Vercel* May. 2025 – Jun. 2025
- Developed a problem solving platform for professional development through teamwork & innovation, enabling 100+ users to create portfolios, earning 4.5/5 rating in beta testing.
 - Enhanced portfolio quality with an AI feedback & improved UX by 35% through real-time recommendations, agile development & profile-view analytics.
 - Enhanced functionality by integrating GitHub & Jobs APIs to fetch users' projects and relevant job opportunities.
- Wall-E Robot [Link]** | *ESP32, C++, React.js, Arduino, SolidWorks, 3D Printing* Dec. 2024 – Jan. 2025
- Engineered a creative website-controlled robot, achieving 80% commands execution accuracy.
 - Increased structural durability and motor efficiency by 30% by designing and 3D printing custom components.
 - Reduced Bluetooth connectivity setup time by 80% (from 5 to 1 minute) through optimized C++ programming.

WORK EXPERIENCE

- Student Assistant** Nov. 2024 – Present
CAS Education Technology, University at Buffalo Buffalo, NY
- Developed CompInfo [Link] Asset Management Tool using PostgreSQL, tracking 1500+ computers, reducing historical data retrieval time by 90%.
 - Deployed 60+ computers by imaging, installing OS, and configuring software to support faculty and staff.
 - Resolved 100+ work orders in a dynamic environment by diagnosing & repairing hardware issues, achieving 90% customer satisfaction while collaborating with expert technologists.
- DREAM Lab Apprentice** Jan. 2025 – Apr. 2025
School of Engineering and Applied Sciences, University at Buffalo Buffalo, NY
- Built 5+ hardware-software projects using Arduino, SolidWorks & 3D printing, meeting all design specifications.
 - Mentored 40+ peers through coding fundamentals workshops/events, helping them develop mini-projects.
 - Completed 4-modules creating ESP32 robot project, earning SEAS Maker Badge for final presentation.
- Undergraduate Research Assistant** Jul. 2024 – Dec. 2024
Embedded Sensing and Computing Group, University at Buffalo Buffalo, NY
- Led Web Application development of VocalLens, reducing speech-impairment diagnosis time by 75%, replacing doctor visits with a single voice-based software assessment.
 - Increased user feedback scores of VocalLens by 30% by designing responsive UI/UX, tested by 30+ users.
 - Built AuspexMedix & ESC group webpage, enhancing research collaboration and boosting online visibility.