# Aryan Shah

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## EDUCATION

**Virginia Tech**                                                                Blacksbrug, VA
*BTech Computer Science - Data structures, Prob.solving, Statistics, Comp.Organization*        *Aug. 2023 – Dec 2026*

## EXPERIENCE

**Project Management Intern**                                          Sept 2024 – Dec 2024
*Commonwealth Cyber Initiative, Southwest Virginia*                            *Blacksburg, VA*
- Contributed to the development of programs, including workforce development,innovation, and research initiatives.
- Assisted in event planning for seminars and for an annual meeting involving over 40 researchers presenting their research as well as having attended Commonwealth Cyber Initiative's annual events.
- Updated the entire CCI SWVA website Using Ensemble (CMS) including reviewing the website for accuracy, creating content and checking website's accessibility.

**Undergraduate Grading Assistant**                                    Sept 2024 – Dec 2024
*Virginia Tech Department of Engineering*                                       *Blacksburg, VA*
- Provided grading support to over 140 students in ENGE 1215, ensuring fair assessment and constructive feedback.
- Collaborating with faculty to maintain a high academic standard and support student success.

**Research and Development Intern**                                     May 2024 – Sept 2024
*MachWorks @ Virginia Tech*                                                    *Blacksburg, VA*
- Collaborating with a multidisciplinary team to design and prototype a supersonic AI powered UAV.
- Conducting simulations and analyses using MATLAB to validate design concepts and improve performance.
- Developed comprehensive technical documentation, CAD models, and detailed project reports; enhanced project tracking and communication, contributing to meetings and brainstorming sections, resulting in a 25% reduction in project delays and a 30% increase in team efficiency.

**Software Engineering Intern**                                         May 2024 – July 2024
*Krossmark Innovations - Embee group*                                               *India, GJ*
- Worked closely with a team of 5 to develop an online machine inventory system, leading to a 15% improvement in record management efficiency.
- Implemented functionalities for adding, deleting, and updating bill of material records, reducing the time spent on these tasks by 25% using Python with SQL for Data management and React and JavaScript for frontend.
- Took charge of post-launch updates, troubleshooting and debugging, improving system performance by an additional 10%.

## PROJECTS

**Google keep app Clone** | *TypeScript, JavaScript, HTML5, React, CSS, UI/UX*        Aug 2024
- Made a note-taking web application, replicating key features of Google Keep.
- Used React's component-based architecture, reducing code complexity by 40% for better maintainability.
- Implemented TypeScript for type safety, reducing runtime errors by 15%.

**AI Assistant** | *Python, ChatGPT, AI, Google text-To-speech API, RaspberryPi, Git*   Jan 2024 – May 2024
- Developed a compact AI device with Python, Raspberry Pi, and ChatGPT integration.
- Integrated Google Text-to-Speech API for real-time information retrieval from captured images.
- Enhanced device functionality by 10% through software optimizations and updates.
- Achieved 95% accuracy in speech synthesis, improving user interaction and experience.

**Management Systems** | *Python, MySQL, HTML5*                                     Dec 2023
- Developed efficient systems for student data, enrollments, fees, library, appointments, records, and billing.
- Designed user-friendly HTML5 interfaces, reducing patient wait times and administrative task time.

## TECHNICAL SKILLS

**Languages**: Java, Python, C/C++, SQL
**Frameworks**: JavaScript, HTML/CSS, React, Node.js,
**Developer Tools**: Git, Docker, VS Code, Eclipse
**Certifications**: Python basics for data Science by IBM, Relational Databases and SQL by StanfordOnline.