

Shardul Dhongade

Bay Area, CA | 408-674-5638 | shardul21@vt.edu | [linkedin.com/in/sharduldhongade](https://www.linkedin.com/in/sharduldhongade) | github.com/Shardul2003 | Portfolio

EDUCATION

Virginia Tech

Masters of Engineering in Computer Science

Blacksburg, VA

August 2024 – May 2025

Virginia Tech

Bachelors of Science in Computer Science

Blacksburg, VA

August 2021 – May 2024

- President - Association for Computing Machinery (ACM)
- President's List, Dean's List (All Semesters)

TECHNICAL SKILLS & CERTIFICATIONS

Programming Languages: Java, Python, JavaScript/TypeScript, C/C++, SQL, R

Front-End: React.js, Next.js, Angular, Vue.js, HTML/CSS

Back-End: Node.js, Express.js, MySQL, MongoDB

DevOps: GitLab/GitHub, Docker, Containers, CI/CD, Jira

Certifications: Machine Learning Specialization (Coursera), Fullstack Development Bootcamp (Udemy), Advanced Technical Interview Prep (CodePath)

EXPERIENCE

Software Engineering Intern

June 2024 – September 2024

Coherent Corp.

Santa Clara, CA

- Designed and implemented a production-level application, expanding EHS platform capabilities for third-party services and contractors
- Utilized Angular and Bootstrap to build a responsive and user-friendly website
- Integrated Form.io with Oracle to create forms and data resources for the application
- Applied JavaScript logic in backend to streamline data handling and ensure accurate data placement
- Converted application to native Android app with Capacitor and Java, slated for release Q4 2024

Software Engineering Intern

June 2023 – August 2023

GEICO

Remote

- Collaborated with the internal tooling team on a virtual chatbot to increase employee engagement
- Built chatbot using Power Virtual Assistant; implemented complex data handling and logic with PowerFx coding
- Applied React and Node to set up bot deployment onto Microsoft SharePoint, and configured Azure AD for secure user authentication
- Practiced Agile development methodology and DevOps processes to reduce development time by 20%

Undergraduate Research Assistant

August 2021 – December 2023

Center for Bioinspired Science and Technology Lab

Blacksburg, VA

- Analyzed bat navigation abilities using advanced clustering techniques and GPS data from forest environments in Brunei, utilizing TensorFlow and Python's ML libraries
- Applied Principal Component Analysis (PCA) to assess variability and deformations in bat actuators developed by Mechanical and Electrical teams
- Utilized Tcl/Tk for coding in HyperWorks to write scripts for data collection on horseshoe bat ears
- Team awarded the Robert W. Young Award for Undergraduate Research in Acoustics

PROJECTS

ML Blog Site | *Python, R, RStudio, Quarto, ML Libraries*

- Created a dynamic blog site using R and Python, showcasing various ML techniques
- Authored multiple blogs detailing ML processes, from data/exploratory analysis to algorithm application
- Implemented precision/accuracy metrics and visualizations, enhancing the educational value of the content
- Rendered and published site with Quarto and hosted on GitHub pages

Personal Website | *Next.js, JavaScript, Tailwind, Vercel*

- Developed a dynamic personal website using Next.js, JavaScript, and Tailwind CSS
- Implemented responsive design principles, creating a seamless user experience across devices (desktop, mobile, etc.) and increasing site accessibility
- Leveraged Vercel's automated deployment features to ensure continuous integration, reducing deployment time