

# ASHWIN SHENOLIKAR

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## EDUCATION

### Virginia Tech

Master's, Computer Science

August 2021 - May 2023

GPA: 3.7

- **Relevant Courses:** Software Engineering, Web App Development, Mobile App Development, Info Security, Urban Computing

### University Of Mumbai

Bachelor's, Computer Engineering

August 2016 - November 2020

GPA: 3.31

- **Relevant Courses:** Advanced Data Structures & Algorithms, Database Management Systems, Object Oriented Programming

**Certifications:** Google Cloud, Cloud Computing, Deep Learning, Advanced Java

## PROFESSIONAL EXPERIENCE

### Virginia Tech

Application Developer

Falls Church, VA, USA

August 2023 - Present

- Enhance and maintain the VTISE MEA Course website and establish data processing pipelines from 20+ data points.
- Develop chatbot for improved student engagement and AI models for data-driven insights aiming 10% increased interaction.
- Tech Stack: Java, JavaScript, React.js, Python, sklearn.

### Virginia Tech

Graduate Assistant

Alexandria, VA, USA

January 2022 - December 2022

- Elevated workplace efficiency by 33% through technical support initiatives, optimizing daily operations.
- Orchestrated successful office events, achieving a 50% improvement in event execution and satisfaction.
- Conducted regular inventory management with 30+ different item types, and provided security oversight.

### Nucsoft

Software Engineer Intern

Mumbai, Maharashtra, India

June 2019 - August 2019

- Engineered an IoT system with onboard web server to control multiple HVAC systems improving energy usage by 14%.
- Coded C++ backend and JavaScript+jQuery web server, uploaded on ESP8266 micro-controller with < 1 seconds in latency.

## PROJECTS & OUTSIDE EXPERIENCE

### Portfolio Website

React.js, Next.js, Typescript, Tailwind CSS, Vercel

April 2023 - June 2023

- Crafted a portfolio website showcasing key skills, achievements, and creative projects, featuring 10+ components and 5+ external links to products.
- Implemented aesthetic dual-mode visuals for an enhanced user experience and successfully used the project as a catalyst to learn the React Framework, Next.js, and Tailwind CSS.

### Campus Job Portal

Vue.js, JavaScript, Java, Spring Boot, MySQL, Figma, Kubernetes

August 2022 - December 2022

- Developed a networking and job portal for Virginia Tech, connecting students, professors, and staff; Collaborated with 5 team members to create 16 RESTful API calls in the back-end integrated with 5 responsive Vue.js-powered webpages.
- Implemented a scalable and modular recommendation engine for jobs and applicants, streamlining the on-campus research job application process, ensuring reliable, efficient and powerful performance through low-level system design.
- Fast-tracked the application process 300% through the portal's Recommendation Engine, avoiding cluttered emails.

### Online Bookstore Web Application

Vue.js, Typescript, Java, JDBC, JEE, MySQL, Pinia, Figma

August 2022 - December 2022

- Designed and coded an online bookstore, where users can order books from a multi-genre catalog, with a functional shopping cart. Created 12 REST APIs and 5+ back-end packages.
- Deployed bundled JAR on Virginia Tech's Kubernetes Cluster; conducted unit testing for 100% system stability.

### Movie Ticket Reservation System

Java AWT, JDBC, MySQL

January 2019 - May 2019

- Formulated and developed a Java AWT application with MySQL Database with 6 tables implementing Factory pattern using agile methodology with exhaustive Unit Testing to create a robust product.
- Features: Movie ticket reservations, checking bookings, seat selection, account creation, booking history, payment validation, and double booking exception handling.

## SKILLS & INTERESTS

**Skills:** Python, C/C++, JavaScript, TypeScript, Bash, Java, Kotlin, React.js, Node.js, Next.js, HTML/CSS, AWS, Kubernetes, Django, Git, JIRA, Maven, Figma, Tableau, Postman, Linux/Unix, Docker, jQuery, Jupyter, Keras, MySQL, MongoDB, Natural Language Processing (NLP), NumPy, Tensorflow, Pytorch