

ASHWIN SHENOLIKAR

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A cautiously curious software engineer with expertise in Full-Stack Development with Java and Python Frameworks.

EDUCATION

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- **Virginia Polytechnic Institute and State University** August 2021 - May 2023
Master of Engineering, Computer Science GPA: 3.7/4
Relevant Courses: **Software Engineering, Web App Development**, Mobile App Development, Info. Security, Urban Computing
 - **University of Mumbai – A.P. Shah Institute of Technology** August 2016 - June 2020
Bachelor of Engineering, Computer Science and Engineering GPA: 7.81/10
Relevant Courses: **Advanced Data Structures & Algorithms**, Database Management Systems, Object Oriented Programming

TECHNICAL SKILLS

Programming Languages: Python, Java, C, C++, MySQL, MongoDB, Shell Scripting, Kotlin
Web Development: Vue.js, JavaScript, jQuery, Typescript, React.js, Next.js, Node, HTML, CSS
Cloud: AWS, Docker, Kubernetes
Tools and Frameworks: SpringBoot, Django, MATLAB, Git, Jira, NPM, Maven, Tableau, Postman, Linux, Windows

PROJECT EXPERIENCE

Portfolio Website April 2023 - June 2023

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

- Crafted a captivating personal portfolio website highlighting distinct skills, achievements, and creative projects.
- Inspiration to learn the React Framework and Tailwind CSS, and further upskill resulted in this portfolio website, with 10+ components, 5+ external links to products, and aesthetic dual mode visuals.

Campus Job Portal

August 2022 - December 2022

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

- 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

August 2022 - December 2022

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

- Designed and coded an online bookstore, where users to 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 all transactions and user inputs.

Movie Ticket Reservation System

January 2019 - May 2019

Java AWT, JDBC, MySQL

- Formulated and developed a **Java AWT** application with MySQL Database, integrating a **Singleton** pattern using agile methodology, with exhaustive Unit Testing to create a robust product.
- **Features:** Ticket Reservation for current movies, check existing bookings and receipts, **Seat availability** & selection for available movies, Account Creation, Booking history, **Payment validation**, **Exception handling** for double bookings.

WORK EXPERIENCE

Graduate Student Assistant

January 2022 - December 2022

Virginia Tech Innovation Campus HQ

Alexandria, VA

- Assisted Admin Lead to increase workplace productivity and supported other department leads with technical tasks.
- Spearheaded successful office events, overseeing tasks like event and inventory management, IT, security, and more as required.

Core Technical Officer

August 2019 – November 2020

Computer Society of India-APSIT

Thane, India

- Implemented successful strategies facilitating student-faculty engagement with departmental strength of **over 250 students**.
- Organized technical department events including a Hackathon for 100 participants, a CS-based 'Tech Race' Event, over tenure.

Software Engineer Intern

June 2019 – August 2019

Nucsoft Ltd

Mumbai, India

- Created 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 and uploaded on ESP8266 micro-controller with minimal latency.

CERTIFICATIONS

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- Coursera: **Google Cloud**
 - IBM: Cloud Computing
 - Coursera: DeepLearning.AI
 - **Adv.Java** by Aptech Ltd

Hobbies and Leisure: Treks, Badminton, Cricket, Reading Novels, Gaming, Chai aficionado, becoming Quadrilingual