SHRINIDHI UPADHYAYA

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KEY ACHIEVEMENTS

- **2nd Place, TechVision-25 Project Expo**
  Received for the project *"Interactive Framework for Gamification of Digital Laws, Cyber Ethics and Legislation using Machine Learning techniques"* in the Department-level Project Presentation at Sahyadri College of Engineering and Management.

PROJECTS

- **Unified Application Monitoring & Incident Management Suite**
  Java, Spring Boot, PostgreSQL, Spring Security, React, Datadog (metrics), RESTful APIs
  Developed a full-stack platform to collect, visualize, and manage application logs and metrics in real-time, featuring advanced filtering, dashboard analytics, automated incident management, and secure role-based access control.

- **Image and Video Gallery using AWS S3**
  Node.js, Express, AWS S3, React, MongoDB
  Developed a cloud-based gallery application enabling users to securely upload, view, update, and manage images and videos with scalable storage on AWS S3, robust authentication, and a user-friendly interface.

- **RootsTech - E-commerce Platform for Handicrafts**
  MERN Stack (MongoDB, Express.js, React, Node.js)
  Developed an online marketplace dedicated to authentic handicrafts, leveraging a direct-to-customer model that eliminates middlemen in e-commerce transactions, enabling artisans and buyers to maximize value and savings.

- **Passwordless Password Authentication System**
  Node.js, Express.js, MongoDB, WebAuthn (FIDO2), JWT
  Designed and implemented a secure authentication system inspired by password managers, allowing users to register and log in using passkeys instead of traditional passwords. Utilizes WebAuthn (FIDO2) to generate and store cryptographic key pairs for each user, enabling secure, passwordless authentication without OTPs. Credentials are managed and encrypted similarly to a password manager, providing seamless and secure access.

SKILLS

- **Languages:** Java, JavaScript, Bash, html, C, SQL, CSS

- **Frameworks/Technologies:** Spring Boot, React, JWT

- **Database:** PostgreSQL, MongoDB

- **Cloud Platforms:** AWS, Render

- **Operating Systems:** Linux (advanced)

- **Tools:** Git, Docker, Postman, Swagger, curl

CERTIFICATIONS

- **Java Spring Framework 6, Spring Boot 3, Spring AI**
  Udemy (Instructor: Navin Reddy, Telusko Edutech) — 52 hours
  Certificate Link

- **Ethical Hacking**
  Internshala Trainings
  Gained basic knowledge of cybersecurity, computer networks, and application security.
  Certificate Link

EDUCATION

Sahayadri College of Engineering and Maagement   Mangaluru, Karnataka, India
Bachelor of Engineering in Information Science and Engineering   *2022 – 2026*

St. Raymonds P.U. College   Mangaluru, Karnataka, India
Pre University   *2020 – 2022*