PRISHA MEHTA

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SUMMARY

Final-year Computer Science and Engineering student with strong skills in Java, MySQL, and basic AWS. Experienced in building full-stack Java applications and developing AI-based projects. Quick learner, passionate about backend development, and seeking an SDE internship with long-term growth opportunities.

EDUCATION

❖ B.E (CSE) | RNS Institute of Technology   *CGPA: 9.43 | 2022-Present*

❖ XII (PUC) | Surana Independent PU College   *PERCENTAGE: 96.5%| 2022*

❖ X CBSE (10th) | St. Sophia Convent High School   *PERCENTAGE: 91.6%| 2020*

SKILLS

- **Programming Languages:** Java (Proficient), Python
- **Web Technologies**: HTML, CSS, JavaScript
- **Databases:** MySQL, Oracle
- **Developer Tools:** AWS, Git, GitHub
- **Areas of Interest:** Software solutions, Web applications
- **Soft Skills:** Team Collaboration, Leadership, Sprint Planning, Conflict Resolution, Decision Making

ACADEMIC PROJECTS

❖ **Online Bookstore Management System | Java, Spark, JDBC, MySQL**
- Developed a web-based bookstore enabling users to buy, loan, and manage books through RESTful Java APIs
- Integrated Spark Java with JDBC for backend routing and dynamic SQL data handling
- Built an interactive frontend using HTML, CSS, and JavaScript with fetch-based communication

❖ **AquaSentinel – AI-Powered Coastal Trash Detection System | Python, YOLOv5, Computer Vision, Google Colab, Drone Prototype**
- Built an AI system using YOLOv5 to detect coastal garbage from full-frame drone video; trained on Beach Garbage-2 and SEANOE datasets
- Generated annotated output videos for pollution zone identification; collaborated on drone hardware prototype for aerial data capture
- Recognized as Runner-Up at YESIST12 IEEE Open Project Expo 2025.

❖ **Personal Portfolio Website | HTML, CSS, JavaScript**
- Designed a responsive portfolio website to showcase professional projects and technical skills
- Implemented interactive features and animations using Animation library for enhanced user engagement
- Optimized site performance with 95% mobile responsiveness

ACHIEVEMENTS

- **Runner-Up – YESIST12 IEEE Open Project Expo 2025:** Awarded 2nd place for AquaSentinel, an AI-powered drone system for coastal garbage detection.
- **S.U.I.T.S Hackathon:** Achieved 1st place in a departmental DSA hackathon, organized by Adroit and the CSE department
- **₹25,000 URF Grant Recipient**
  Received funding for developing an AI-based knee joint monitoring system using motion sensors and real-time assessment algorithms
- **Certificate of Merit:** Recognized for outstanding academic achievement by securing the 3rd highest SGPA among over 200 branch students