Manasi Gajanan Sankpal

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EDUCATION

MIT Academy of Engineering   Pune, India
B.Tech. - Computer Science and Engineering; CGPA: 8.7   **November 2022 - May 2025**
Institute of Civil and Rural Engineering   Kolhapur, India
Diploma in Computer Engineering; Percentage: 92.17%   **August 2019 – July 2022**

SKILLS SUMMARY

- **Programming Languages:** C++, Java, Python, C#
- **Frameworks and Libraries:** Flutter, .NET, Firebase, Playwright
- **Databases and Data Storage:** MongoDB, SQL
- **Cloud Platforms and DevOps:** AWS, Docker, Azure
- **Development Tools and IDEs:** Visual Studio Code, IntelliJ IDEA, GitHub
- **Soft Skills:** Communication, People Management, Stakeholder Engagement

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WORK EXPERIENCE

Software Engineer Intern | Allvue Systems   **August 2024 – November 2024**
- Automated financial software testing using **Playwright with C#.**
- Compared Selenium (NUnit) and Playwright on speed, integration, and functionality.
- Enhanced skills in **Jira** for project management and improved collaboration by working closely with cross-functional teams.

Java Full Stack Developer Intern | Xceedance
- Contributing to a **General Liability Insurance** project.
- Developed secure, scalable modules using **Spring Boot, MySQL, Angular**, and **JWT**-based authentication
- Responsible for backend services, UI integration, and ensuring responsiveness and cross-browser compatibility

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PROJECTS

Capsule Network-Based English Handwritten Text Recognition   **August 2023 – May 2024**
- Developed an advanced handwritten text recognition system leveraging Capsule Networks to capture spatial hierarchies and improve recognition accuracy.
- Integrated robust preprocessing techniques, including normalization and augmentation, to handle various writing styles and noise in the dataset
- Collaborated on a Flutter-based interface for real-time handwriting recognition and validation.

QR-Based Ticket Entry System   **March 2024 – April 2024**
- Built an end-to-end automated CI/CD pipeline using AWS services, including S3, EC2, and CodeDeploy, ensuring efficient development and deployment workflows.
- Designed a secure visitor registration and QR code-based entry system with features for user authentication and QR code validation.
- Enabled admin functionalities for managing user permissions, schedules, and payment settings.

Natural language translation engine for announcements and information   **October 2023 – December 2024**
dissemination at stations.
- Engineered a multilingual information system featuring voice recognition and mobile accessibility to cater to passengers in diverse and noisy environments.
- Developed a cross-platform solution using Flutter and Python, integrated with IVRS, chatbots, and web interfaces for seamless user interaction
- Secured 1st place in the Smart India Hackathon 2023 for this innovative and scalable solution, addressing real-world challenges in transportation.

CERTIFICATES

- AWS Academy Cloud Foundation
- Google Cloud Career Readiness Certificate
- Core Java

AWARDS AND SCHOLARSHIPS

- Lila Poonawala Foundation Scholarship
- Winner, Smart India Hackathon 2023