

AMEY SANTOSH RANE

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SUMMARY

SDE with hands-on experience in **full-stack development**, specializing in **Java, Python, .NET, React**, and **SQL** databases to build robust, scalable solutions. **Masters in Computer Science** focused on software quality and development efficiency. Driven by continuous improvement and committed to delivering high-quality results. **Open to relocation** for the right opportunity.

EDUCATION

- ❖ **Master of Science (Computer Science)**, *State University of New York, Binghamton, NY*, **3.5/4** **AUG 2022 - DEC 2024**
- ❖ **Bachelor of Engineering**, *University of Mumbai, Maharashtra, India* **AUG 2016 - OCT 2020**

TECHNICAL SKILLS

- ❖ **Languages:** Python, Java, JavaScript, C, C#, PHP, Gherkin, HTML, CSS
- ❖ **Web Frameworks:** Django, ASP.NET, React.js, Laravel, Ajax, Postman, ISS Node, MVC, XML, JSON, UIAutomator2, Bootstrap
- ❖ **Platforms:** Linux, Docker, Cucumber, AWS (EC2, Lambda, S3, DynamoDB), Figma, Azure, IIS Server
- ❖ **Database:** SQL (MySQL, MS-SQL), NoSQL (MongoDB)
- ❖ **Source Control:** Git, Bitbucket, GitHub
- ❖ **Editor / Tracking:** IntelliJ IDEA, Visual Studio, VS Code, JIRA, Confluence, Slack, Android Studio, WordPress CMS
- ❖ **Build Tools:** Apache Ant, Make / Make file
- ❖ **Testing:** TDD, BDD, Appium, CI/ CD/ CT, IBM Engineering Lifecycle Management (ELM), Selenium, Junit, XCUITest
- ❖ **Courses:** Design Patterns, Cloud Computing, Programming Languages, Design and Analysis of Algorithm, Computer Security
- ❖ **Certification:** AWS Certified Cloud Practitioner

PROFESSIONAL EXPERIENCE

- ❖ **Abbott Laboratories, Software Engineering Intern, Alameda, CA** **MAY 2023 - AUG 2023**
Skills: Scripting | UI Automation | Debugging | Java | Python | Appium | Bitbucket | CI/CD/CT | Cucumber | Gherkin
 - Developed software to automate user actions on Android and iOS app for Abbott's CGM (glucose monitoring) products . Contributed to a **20%** reduction in software defects and a **9%** increase in user experience.
 - Collaborated with XFN teams, including developers, product managers, and quality assurance engineers, to identify requirements, discuss and align on software-design and to rollout changes into production within project timelines.
 - Developed software in Java and Gherkin to interface with Native app. Developed extensive documentation to ensure rest of the team could use and extend the software.
- ❖ **TechnoWin IT Infra Pvt Ltd, 0 to 1 Software Builder, Mumbai, Maharashtra, India** **OCT 2021 – MAY 2022**
Skills: Laravel | .NET | C# | Java | React.js | JavaScript | Ajax | PHP | MySQL | Azure | HTML5 | CSS | MVC | Spring Boot
 - As a Software Engineer in an early-stage startup, I spearheaded development, testing, go to market and after sales support of web apps and solutions for government and educational institutions
 - Developed Full Stack software, managed software deployment to production and handle database deployments for **websites and app with 5000+ users**. Products we built with React, .Net, PHP, and Laravel.
 - Provided technical support and triaged issues for customers for all the software built.

PROJECTS

- ❖ **HR Management Service, Panvel City Municipality**, React.js| PHP| Laravel| MySQL| MSSQL| Azure| .NET
 - Designed and developed an application that handles Human Resource services (aka built mini-Workday), for Panvel city Municipality. This resulted in 20% reduction in time to process HR requests and greatly increased efficiency.
 - Managed deployments on Azure and provided post release support.
- ❖ **E-commerce Website with CRUD Operations**, Python, Django
 - Developed a fully functional e-commerce website using Django, enabling users to browse, view, and purchase products. Implemented user authentication, product management, and a shopping cart with checkout functionality. Admins can manage products, categories, and orders through a Django admin interface
- ❖ **Course Scheduling Software**, Java, Spring Boot
 - Developed course scheduling software for engineering school using Java. The software allowed students to select coursework according to their eligibility and past courses taken.
 - Added Features like excel upload, worked extensively with Apache POI for performing operations of student details.
- ❖ **Health Monitoring/Security System for Alzheimer's**, Python| R-pi| React Native| Firebase| GPS
 - Developed software system to alert, remind, and escalate when needed for an Alzheimer's patient. System leveraged Raspberry-pi to sense health events and it also included a mobile application for the user to get alerts and connect with the care personnel.

TECHNICAL PAPER

- ❖ **Publication:** Health Monitoring/Security System for Alzheimer's Patient (International Research Journal of Engineering and Technology (IRJET), Volume 7, Issue 05, May 2020)