Shantanu Deshmukh
Software Engineer

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EDUCATION

Master's in computer science — Tampa, Florida
SAINT LEO UNIVERSITY — *Expected Graduation: - August 2026*
Related Coursework: Algorithms, Computing in Python, Approaches to Intelligence, AI and ML

Bachelor of Mechanical Engineering — Pune, Maharashtra, India
KJ'S TRINITY ACADEMY OF ENGINEERING, Pune. — *2013 - 2019*
Savitribai Phule Pune University

Diploma of Mechanical Engineering — Sangli, Maharashtra, India
PVPIT, Sangli. — *2010 - 2013*
Maharashtra State Board of Technical Education (MSBTE)

WORK EXPERIENCE

DooGraphics — Pune, India
Jr Software Engineer (3.5 Years) — *Aug 2019 - May 2023*

Project 1: Doographics and DesignTemplate website (E-Commerce). — *Sep 2020 - May 2023*
- Built user registration system with Java, Spring MVC, and MySQL, boosting sign-up success by 30%.
- Delivered tasks by analysing Jira stories, following Agile process. Wrote unit tests and docs, cutting post-release bugs by 25%.
- Automated deployments via Jenkins to SIT/UAT, speeding up releases by 40%.
- Worked with QA to fix bugs during testing, ensuring smooth launches.

Project 2: Hospital Application (Healthcare). — *Aug 2019 - Sep 2020*
- Developed modules for patient registration and appointments using Java and SQL, reducing workload by 40%.
- Mentored junior developers and ran tech sessions to boost team productivity.
- Fixed bugs and supported testing to improve reliability. Led requirement discussions and delivered features in Agile sprints.

SKILLS

Programming: - Python, Java, AWS, J2EE, Object-Oriented Programming (OOP), Servlet, JSP, JDBC, Spring core, Spring JDBC, Spring MVC, SQL, HTML, JavaScript, CSS, Angular JS

Tools: - Eclipse, Jupyter Notebook, JupyterLab, Jenkins, Tomcat 9, Maven, Jira, MySQL, VS Code, Git.

Methodologies: - Software Development Life Cycle (SDLC), Agile (Scrum, Kanban), CI/CD.

Technical/Programmatic: - Data structures and algorithms, Machine learning, Gen AI, Microsoft Excel, Microsoft Access, documenting functional documents and technical design documents, Communication, Leadership.

Languages: - English, Hindi, Marathi.

Interests: - Football, Computer games, Gym-fitness, Hollywood movies.

PROJECTS

Sentiment-Aware Chatbot using AWS — Saint Leo University
Team Lead — *Apr 2025*
Built sentiment-aware chatbot with Amazon Lex, Lambda & Comprehend │ Developed backend logic in Python with slot validation & data persistence │ Stored user data & sentiment in DynamoDB │ Monitored & debugged with CloudWatch to improve automation.

Other Projects: -
Invoice Processing System (Java) │ Document Scanner (Python) │ Database Design of San Juan Sailboat Charters (MS Access)

CERTIFICATIONS

PCAP – Certified Associate in Python Programmer — Florida, USA
Python Institute │ Score: - 81% — *August 2025*

SEED Certified Technology Specialist-Java — Pune, India
Grade A+ — *Nov 2022 - Mar 2023*
SEED Info-tech
Course includes Full stack developer program

GenAI in Action: Impact and Possibilities — Online
USF Office of Microcredentials — *07 March 2025*

Graduate Record Examinations (GRE) — Online
The Educational Testing Service (ETS) — *Sep 2023*

TOEFL iBT — Online
The Educational Testing Service (ETS) — *Oct 2023*