

Pranav Surwade

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EDUCATION

Birla Institute of Technology & Science – Pilani (WILP)

M.Tech. IN Data Science & Engineering

2023-Present | SGPA: 9.32

SHRI G. S. INSTITUTE OF TECHNOLOGY AND SCIENCE

B.TECH. IN COMPUTER SCIENCE

2018-2022 | CGPA: 8.29

S.I.C.A. S.S. SCHOOL

2018 | Indore, India

XII Class: 90.8%

Personal Information

Address: - 127 A
Abhinandan Nagar,
Indore, M.P., India

Reference: - Available on request

COURSES

Data Science
Machine Learning
Data Structures and Algorithms
Database Management System
Operating System
Computer Network

SKILLS

LANGUAGES

- Java 8+ • Spring Framework
- Keycloak • Python • PostgreSQL
- Shell Script • Git • C • Microservices
- K6 Integration • Mockito/Junit
- SonarQube • Postman Automation
- Grafana • AWS • NLP • Tableau
- Agile • Project Management
- RESTful API's • CI/CD Pipelines
- JPA Query • Jenkins

ACHIEVEMENTS

Secured 2nd in a state-level 10 KM long-distance running competition.

Qualified **JEE main & Advance**, **N.T.S.E.** exam & NSO, IMO Olympiad.

EXPERIENCE

Brane Enterprises Pvt. Ltd. | Software Developer Engineer II

Jan 2022 - Present | Hyderabad, India

- Mentored a team of junior developers, refining coding practices and managing four microservices, which boosted system efficiency by 15% and improved user data integrity.
- Engineered core features of the **NSL-Hub** Platform using Java and Spring Boot, resulting in a 20% increase in client onboarding and satisfaction through optimized microservices architecture.
- Integrated **Keycloak** for authentication with **SSO** across multiple platforms (Google, Azure, Okta), streamlining user access by 25%.
- Designed and developed secure **login** and **sign-up** features using Java and Spring Boot, incorporating **MFA** with **OTP**, increasing user account security by 30%.
- Designed and Implemented **Bulk Import & Update** functionality for user data, processing over 10,000 records with 99.9% accuracy, reducing manual errors and processing time.
- Managed **Data Migration** tasks with 100% data integrity and consistency, successfully migrating **multi-tenant** data, reducing potential data-related issues by 30%.
- Created custom email templates and automated functionalities for OTP, password resets, and onboarding notifications, resulting in a 35% increase in user engagement.
- Strengthened API security by integrating encryption, secure data transmission, password policy, and **multi-session management** using Keycloak, ensuring 100% compliance with industry standards & reducing security breaches by 35%.
- Processed and Maintained API Testing Scripts using **Postman**, conducted performance tests with **K6**, and implemented unit tests with **Mockito JUnit**, ensuring robust system performance, high code quality, and reliability.
- Assessed and Evaluated Feature Requirements, ensuring functionality aligns with business needs, and efficiently resolved critical bugs, leading to a 30% improvement in system performance and 25% increase in user satisfaction.
- Technology Used: Java, Spring Boot, PostgreSQL, JPA Query, Mockito, Keycloak, Postman, K6, CI/CD, REST APIs.

PROJECTS

B.M.I. Estimation using Facial Image | Machine Learning, CNN, Python

Aug 2021 - Feb 2022

- Innovated a facial recognition system to predict BMI, achieving 90% accuracy and increasing user engagement by 25% through personalized diet recommendations based on the estimated BMI index.

Health Care chatbot | PHP, HTML, CSS, PostgreSQL

Aug 2017 - Feb 2018

- Developed a healthcare chatbot application, facilitating 30% faster doctor and nurse appointments, enabling 20% more efficient medicine purchases, and providing preliminary health solutions to users with 85% accuracy.

EXTRAS

- Conducted workshops on PHP and Python, improving participants' skills by 40%.
- Led recruitment efforts, interviewing, and selecting top candidates for the college club and company, improving recruitment efficiency by 30%.