Pranav Badhe

+1 (812) 778-4800 • pbadhe@iu.edu • linkedin.com/in/pbadhe • Bloomington, IN

EDUCATION

Indiana University Bloomington *Master of Science - Computer Science* **Bloomington, IN**
GPA: 3.8/4 *Aug'22 - May'24*
Courses: Software Engineering, Database Design, Functional Programming, Applied Algorithms

MIT Pune (Savitribai Phule Pune University) *Bachelor of Engineering - Information Technology* **Pune, India**
GPA: 8.66/10 *Aug'16 - Apr'20*

EXPERIENCE

eQ Technologic **Pune, India**
Software Engineer *Dec'20 - Jun'22*
- Developed **Java** connectors for Siemens Teamcenter PLM & OrientDB customizing OOTB data models and business rules.
- Engineered Oracle Primavera Next-Gen connector by creating **microservices** to report **27%** performance increase by QA.
- Implemented **maven**-based integrations for **enterprise** business objects supporting **CRUD** operations in SQL and NoSQL.
- Upgraded **indexing** methods and version support over 2 generations in multi-module Graph & Document **database** application.
- Contributed to Data Fabric Architecture (*DaaS*) via extended JDBC Framework, JMS, JCA and Jakarta EE specifications.
- Well-versed in customer interaction, **test-driven** product development, code reviews, SonarQube and **Jenkins** (CI/CD).

DeeDee Labs **Pune, India**
Software Development Intern *Apr'19 - Dec'19*
- Pioneered **protheses** friendly **games** in Unity for training sensory feedback of arm amputees in 3 weeks against average of 8.
- Headed a team of four to deploy 3 projects in 8 months by collaborating with multiple teams.
- Incorporated scaling in **high frequency** prosthetic **data**, MQTT, C# scripts for Unity, and **shell** scripts for drivers and integration.

PROJECTS

CureNsure: Patient & Insurance Management System (Google Cloud, REST, JSON, Flask, Firebase, Agile) *Aug'22 - Dec'22*
- Cloud based healthcare portal serving **REST** APIs for appointment, insurance, and client management with intuitive DB design.
- Delivered project as per **Agile** plan of 4 sprints with incremental releases, and customer meeting every fortnight.
- Continuous deployment on cloud, standups, **JIRA** tracking and documented tests ensured smoother builds optimizing the cost.

Motifizer: Gene Expression Regulation Analyzer (Docker, Flask, Shell Scripts) *Jul'19 - Apr'22*
- Award-winning tool for wet lab researchers aiding in motif analysis, protein interaction and data visualization.
- Reduced traditional execution time to **40%** by innovating parallelized pipeline to parse high-throughput sequencing datasets.
- Custom **Docker** image with 4 lines of installation instructions and nullified dependency version conflicts.
- Actively used **20+** active researchers at Indian Institute of Science Education and Research (IISER) Pune.
- Publication under review at BioMed Central: https://doi.org/10.21203/rs.3.rs-1745496/v1

Video Intelligence and Analytics (Smart India Hackathon '18) *Jan'18 - Apr'18*
- Built real-time object detection for mobile devices to parse live feed and provide conclusive statistical data insights.
- Awarded **top 10 in 263** teams and showcased project in the prestigious Ministry of I&B, Government of India.

SKILLS

- **Programming Languages:** Java, Python, C, C#, Racket.
- **Technologies:** Microservices, J2EE, JDBC Framework, REST, Linux, Data-as-a-Service, Enterprise software, Agile.
- **Software Tools:** Maven, Jenkins, JUnit, SonarQube, Jira, Docker, GIT, SVN, Redmine, Flask, Unity, IntelliJ, Postman.
- **Databases:** NoSQL, Graph DB, OrientDB, RDBMS, MySQL, Document databases, Firebase.
- **Cloud:** Google Cloud Deployment, Run, IAM, Authentication, Azure Storage, Azure Java SDK.
- **Soft Skills:** Diplomacy, Patience, Adaptability.

LEADERSHIP

MIT Computer Users Group **Pune, India**
Organizer & Lecturer *May'18 - Apr'20*
- Managed a team of 18 to host a workshop for 340 students to imbibe Linux kernel concepts and open-source tech.
- Successfully conducted the workshop for 2 continuous years teaching Linux utilities in 3-day hands-on sessions.
- Solicited $2400 from sponsorships to fund the student body throughout the tenure and donate the rest.