

# SHLOK BAM

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## Summary

Motivated Information Technology undergraduate with strong fundamentals in computer science and hands-on experience in application development, data analytics, and cloud technologies. Proven leadership experience in managing large teams and delivering high-impact projects. Seeking opportunities to learn, contribute, and grow in a professional environment.

## Education

### Vishwakarma Institute of Technology, Pune, India

Sept 2023 – May 2027

(expected)

- Bachelor of Technology (B.Tech), Information Technology | CGPA: **8.97/10**

**Relevant Coursework:** Data Structures and Algorithms (DSA), Object Oriented Programming (OOP), Database Management System (DBMS), Artificial Intelligence and Machine Learning, Data Analytics, Business Data Analytics

## Skills

**Programming Languages:** Python, Java, SQL, JavaScript, C, C++

**Full-Stack Development:** Flask, HTML5, CSS3

**Databases, Cloud & Tools:** MySQL, Firebase, AWS (EC2, S3), Version Control (Git), Docker (Basic)

**Data & Analytics:** Pandas, NumPy, Scikit-learn, Excel, Looker Studio

**Core Competencies:** Data Structures & Algorithms, OOP, Operating System, Team Collaboration

## Experience & Leadership

### Information Technology Student's Association (ITSA) – VIT Pune | Founding Chairperson.

July 2025 – Present

- Led a 50+ member team to successfully organize over 10 workshops and events, enhancing the skills of more than 1,000 students.
- Spearheaded the end-to-end planning and execution of all events, utilizing project tracking tools to manage timelines and coordinate team responsibilities.
- Secured over 5 strategic industry collaborations, providing students with enhanced hands-on technical exposure.

### Herbs Magic | UI/UX Intern

May 2024 – Sept 2024

- Designed and delivered over 20 responsive wireframes and prototypes, contributing to a 15% improvement in user navigation and experience.
- Collaborated effectively in an agile, cross-functional team environment to implement scalable front-end improvements.
- Conducted and analysed usability tests with 30+ users, translating user feedback into actionable design enhancements.

## Projects

### Smart TKPH Monitoring and Predictive Maintenance System for Heavy Machinery ([Live Link](#) | [GitHub](#))

- Developed a real-time monitoring and predictive maintenance system for heavy machinery with live TKPH tracking, tire wear analysis, and ML-based failure prediction.
- Implemented data pipelines and predictive models to enhance operational efficiency and reduce downtime.
- Technologies:** Python, Flask, Firebase, scikit-learn

### Smart FormMate AI – Chrome Extension for Automated Form Filling ([Extension Link](#))

- Built an AI-powered Chrome extension that automatically fills out Google Forms using a personal knowledge base.
- Implemented smart question matching, secure authentication, and intuitive Q&A management, improving user efficiency.
- Technologies:** Python, Flask, Firebase, Chrome Extension

### AutoVault - Cloud File Storage with Serverless Automation ([GitHub](#))

- Developed a secure, cloud-native file storage web application with time-limited file management, automated expiry notifications, and intelligent cleanup using AWS Lambda and EventBridge.
- Implemented dual-mode architecture supporting both local (SQLite, filesystem) and cloud deployments (RDS PostgreSQL, S3) with seamless migration paths and automated background processing.
- Technologies:** Python, Flask, AWS (Lambda, RDS, S3, SES, EventBridge), PostgreSQL, SQLAlchemy, APScheduler

## Academic & Extracurricular Achievements

- Winner, INDOvateAI Sprint 2025 – Best Outstanding Project among 200+ teams.
- AWS Cloud Practitioner Essentials – AWS Training & Certification.
- McKinsey.org Forward Program - McKinsey.org

## What I Bring

I bring a strong foundation in computer science combined with hands-on experience in building real-world applications and working with data-driven solutions. I am quick to learn, adaptable to new technologies, and comfortable working in team-based environments. Through academic projects, internships, and leadership roles, I have developed problem-solving skills, an ownership mindset, and the ability to deliver results under deadlines. I am motivated to contribute meaningfully while continuously learning and growing in a professional environment.