SHLOK BAM

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Summary

Third-year Information Technology student with practical experience in building 5+ full-stack projects and real-time ML systems. Served as Management Head at Abhivriddhi, leading a 100+ member team and organizing events for 4000+ students. Developed scalable apps using Flask, Firebase, Arduino, and integrated UI/UX designs from 20+ prototypes. Winner at INDOvateAI Sprint 2025 among 200+ participants; now seeking a software development internship to contribute to impactful solutions.

Education

Vishwakarma Institute of Technology, Pune, India   **2023 - 2027**
- Information Technology | CGPA: **8.81**   (expected)
  Relevant Coursework: DSA, OOPs, DBMS, AI & ML

Skills

Programming Languages: Python, C++, Java, JavaScript, C
Web Technologies: HTML, CSS, Bootstrap, Flask, AJAX, Responsive Design
Database & Tools: MySQL, SQLite, SQLAlchemy, Git, GitHub, Power BI, Figma, Firebase
Libraries & Frameworks: Pandas, NumPy, Matplotlib, Scikit-learn, OpenCV, Streamlit, Flask-Login, Flask-Mail
Core Concepts: OOP, DSA, DBMS, Machine Learning, Version Control
Soft Skills: Led group projects, organized campus events, presented ideas confidently, managed time effectively, solved challenges creatively, and worked well with peers.

Work Experience

Herbs Magic | UI/UX Intern   **May 2024 – Sept 2024**
- Created 20+ wireframes and prototypes for the Herbs Magic app and website, improving user flow and navigation.
- Collaborated with developers and designers to refine interfaces, boosting user experience by 15%
- Conducted user research and usability tests with 30+ participants to gather feedback and identify issues.

Projects

Real-Time Smart TKPH Monitoring and Predictive Maintenance System for Heavy Machinery *(Live Link | GitHub)*
- Implemented a real-time system to calculate and monitor TKPH of heavy machinery, achieving ~10% improvement in fault detection rates and enhancing tire lifespan by providing predictive maintenance alerts.
- **Technologies:** Arduino UNO, Load and Speed Sensors, Python, scikit-learn, NumPy, Pandas, Matplotlib, SQLite, Flask, Bootstrap, JavaScript, HTML, CSS, Firebase.

FormMate_AI *(Chrome Web Store Link | GitHub)*
- Developed a Chrome extension to automatically fill Google Forms using saved responses, decreasing form-filling time by approximately 70% with around 95% accuracy for over 50 users, utilizing real-time field mapping and Firebase for secure storage.
- **Technologies:** Python, Flask, JavaScript, HTML, CSS, Chrome Extension APIs, Firebase Authentication, Firebase Admin SDK, JWT.

Event Ticketing Management System *(GitHub)*
- Created a web-based ticketing system, generating unique QR codes, reducing check-in time by 50% and managing attendee data for 800+ event participants.
- **Technologies:** Python, NumPy, Pandas, OpenCV.

Notes Vault *(GitHub)*
- Developed a secure web application for student academic note sharing with 50+ users, featuring user authentication, credit-based transactions, 100+ file uploads (PDF, images) and advanced search by department, semester & subjects.
- **Technologies:** Python, Flask, SQLAlchemy, SQLite, Flask-Login, Flask-Mail, Flask-Migrate, Bootstrap 5, Font Awesome, HTML, CSS, JavaScript.

Academic and Extracurricular Achievements

- Awarded Best Outstanding Project at INDOvateAI Sprint 2025 among 200+ participants for innovative application of AI.
- Career Essentials in Data Analysis by Microsoft and LinkedIn - March 2024

Positions of Responsibility

Abhivriddhi – Student Development and Training Committee | Management Head   **June 2024 – June 2025**
- Led a 100+ member team to conduct flagship events and workshops, reaching 4000+ students.
- Secured industry partnerships and sponsorships, enhancing learning and networking opportunities.