

# VAIBHAV SELKAR

vaibhavselkar.tech@gmail.com | +91 9552027990 | Wardha, India  
linkedin.com/in/vaibhav-selkar | github.com/vaibhavselkar

## PROFESSIONAL SUMMARY

Product Development Professional who builds and scales products that unite engineering precision with user-centered design and measurable business impact. Strong foundation in software development, product strategy, and data analytics, with experience leading cross-functional teams through the SDLC: from concept to launch and continuous improvement. Improving system performance by 66%, increasing user adoption by 28%, and maintaining 99.9% uptime through data-informed decisions and agile execution.

## EDUCATION

• <b>Indian Institute of Technology, Madras</b> <i>Diploma in Data Science and Programming</i>	Sep 2024 – Present GPA - 8.75
• <b>WorldQuant University</b> <i>Applied Data Science Lab</i>	Feb 2023 – Aug 2023
• <b>Bajaj College of Science, Wardha</b> <i>Bachelor of Science</i>	Jul 2017 – Dec 2020

## PROFESSIONAL EXPERIENCE

<b>Software Engineer / Product Manager</b> <i>Sanghamitra Business Incubator / Hyderabad</i>	Apr 2024 – Present
---	--------------------

- Software Product Manager for full delivery of two SaaS platforms, managing roadmap, prioritization, and release cycles while mentoring a 5-member cross-functional team.
- Authored detailed Product Requirement Documents (PRDs) and utilized NotebookLM for structured research and documentation, improving alignment and decision-making consistency across design, engineering, and leadership teams.
- Led cross-functional development and market validation for consumer software products, translating business needs into technical execution.
- Architected multi-tenant backend systems with Node.js + Express; implemented secure JWT authentication.
- Engineered an in-house automated testing framework ensuring smooth feature rollouts, faster QA cycles, and a 40% improvement in user experience stability.
- Integrated Python-based AI modules using Flask servers for feedback on users' writing and data insights.
- Optimized API logic, decreasing latency by 66% (420 ms to 140 ms) and scaling system throughput.
- Launched lightweight onboarding flow, increasing new-user signups by 28%.
- Enabled 99.9% uptime through stateless autoscaling and load-balanced deployments.
- Expanded test coverage to 85%, lowering production defects by 60%.
- Automated CI/CD workflows with GitHub Actions and Vercel; lessened release cycle time by 45%.

**Technologies:** Python, Flask, React.js, Node.js, Express.js, MongoDB, PostgreSQL, AWS EC2, Vercel, GitHub Actions, JWT, REST APIs, Cross Functional Agile Development, Data Analytics

<b>Product Development Associate / Manager</b> <i>Sanghamitra Business Incubator / Wardha</i>	Mar 2021 – Mar 2024
--	---------------------

- Coordinated end-to-end development and validation of consumer products, including water filters and air coolers, managing the full product cycle from concept to market release.
- Analyzed product performance, testing results, and customer feedback to improve design quality and drive production decisions.
- Collaborated with engineering and business teams to evaluate product efficiency, optimize manufacturing processes, and support market expansion.
- Conducted regional research and sales analysis to strengthen product-market fit and identify growth opportunities in Hyderabad and neighboring regions.

## SELECTED SOFTWARE PRODUCTS

---

### Ed-Tech Platform | Sanghamitra Business Incubator

*Multi-tenant learning platform for teachers and students with analytics dashboards.*

- Improved teacher workflow efficiency by 10+ hours/week and boosted feature adoption by 70%.
- Supported 10+ classrooms with 20+ students/session while maintaining 99.9% uptime.

### Billing Application | Sanghamitra Business Incubator

*Retail billing app with printer-integrated invoicing and inventory management.*

- Decreased checkout time by 35% and billing errors by 40%.
- Processed 500+ invoices/day across tenants with efficient data caching and indexing.

### Expenses Tracking App | Sanghamitra Business Incubator

*Internal finance system for budget compliance and category-wise reporting.*

- Enabled 30% faster audits and lessened overspending by 20%.

## TECHNICAL SKILLS

---

**Product & Management:** Product Roadmapping, SDLC, Agile/Scrum, UX Research, KPI Analysis, Market Validation

**Languages:** JavaScript, Python, SQL, HTML, CSS

**Frameworks:** Flask, React.js, Node.js, Express.js

**Databases:** MongoDB, PostgreSQL, MySQL

**Tools & Platforms:** Git, GitHub, AWS EC2, Vercel, Postman, VS Code, Figma, Notion, JIRA, NotebookLM

**Libraries:** NumPy, Pandas, Scikit-learn, Matplotlib

**Practices:** REST APIs, JWT Auth, CI/CD Pipelines, JSON, HTTP/HTTPS, Data-Driven Product Development

## CERTIFICATIONS

---

<ul style="list-style-type: none"><li>• Gen AI for Software Development (Coursera)</li><li>• Applied Data Science</li><li>• CS with Python (MIT)</li><li>• SQL (Udacity)</li></ul>	<ul style="list-style-type: none"><li>• Python (Saylor)</li><li>• Data Analysis</li><li>• Statistics (Saylor)</li><li>• Operations Management</li></ul>
--	---