SHMTH Research LLP

Office No. 27, 2nd Floor, Bldg B, Kotle Patil City Vista, Fountain Road,

Ashoka Nagar, Kharadi - 411014, Pune, Maharashtra, India

[Date: 15/09/2025]

Satvik Arvind Sangamkar

S/O Arvind Sangamkar, H.No.1-7-1006, Guru Gajanan, Near WATER
PURIFICATION, PARIMAL NAGAR, Nanded, MH - 431602

Dear Satvik,

Subject: Completion of Internship as Backend Software Engineer

This is to certify that Satvik Arvind Sangamkar (S/O Arvind Sangamkar), residing at
H.No.1-7-1006, Guru Gajanan, Near WATER PURIFICATION, PARIMAL NAGAR, Nanded, MH –
431602, has successfully completed a **four-month internship** (from 15/05/2025 to
15/09/2025) as a Backend Developer at SHMTH Research LLP.

Project Assigned:

Blade Terminal (Trader OS) – Backend Development

Key Contributions

- Worked on the real-time orderbook data
- Developed JWT-based session management and token validation
- Worked on Role-Based Access Control (RBAC) for granular user permissions
- Secured RESTful API endpoints using best security practices
- Worked in an Agile development environment, participating in sprints and stand-ups
- Learned and applied Git/GitHub for version control and collaborative development
- Wrote functions to process, filter, and serve market data efficiently
- Explored Google Cloud Platform (GCP) and deployed test code for hands-on cloud experience

Mukadam

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Performance Assessment

During the internship period, Satvik consistently exhibited:

- Professional conduct, reliability, and effective teamwork
- Proficiency in leveraging **AI tools** to accelerate development while ensuring in-depth understanding of the codebase
- Strong collaboration with senior developers to solve complex technical challenges
- Notable contributions to strengthening **security features** in the authentication system
- Direct collaboration with the **Founder**, showcasing adaptability and eagerness to contribute beyond a single role
- An enthusiastic, "startup-ready" mindset - willing to wear different hats, embrace challenges, and step into varied responsibilities with a positive attitude

Recommendation

We highly recommend Satvik Arvind Sangamkar for roles in backend development, especially within the fintech and data science domain. His contributions to the Blade Terminal project have been exemplary.

Yours sincerely,

Mukadam

Mohammad Mukadam

[Founder & CEO]

SHMTH Research LLP

Mukadam