



SUSMITHA MUKUND KIRSUR
ASSISTANT PROFESSOR

Email: sushmithamk.csi@bmsce.ac.in
Phone: +91 74111 48451
Location: Bengaluru, India
LinkedIn: susmitha-kirsur-553279164

PROFESSIONAL SUMMARY

Assistant Professor and technology professional with an M.Tech in Computer Networking and over five years of combined industry, teaching and academic experience across cloud computing, cybersecurity, data analytics, stakeholder management and technical education.

8 Industry-linked project selections	1 ATC proposal to Kempegowda International Airport	1 External examiner assignment	1 Cybersecurity MoU initiated	2 DRDO interns guided
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CORE COMPETENCIES

Student Project Mentoring & Innovation	Teaching & Student Mentoring	Industry-Academia Collaboration	Research & Scholarly Publications
Academic Administration & Accreditation Support	Examination & Assessment Coordination	Cloud Computing: Azure & AWS	Cybersecurity & Network Security
MoUs, FDPs & Institutional Outreach	Guest Lectures & Industry Visits	Stakeholder & Institutional Engagement	Curriculum & Course Content Development

PROFESSIONAL & ACADEMIC EXPERIENCE

Assistant Professor | B.M.S. College of Engineering 28 Aug 2025 - Present
Bengaluru, India

- Led academic-industry collaboration and mentored student teams whose project proposals were selected for engagement by BMRCL, BBMP, BESCOM, Rylai Technologies, K&S Partners, Synchron Software India Pvt. Ltd., Zethic Technologies, and Visa.
- Initiated and guided ATLAS, an Air Traffic Control decision-support student project proposal submitted to Kempegowda International Airport for expert review and potential academic-industry collaboration.
- Served as Department Test Coordinator, supporting test planning, scheduling, invigilation coordination, evaluation workflows, and academic documentation.
- Appointed as External Examiner for the DevOps laboratory examination of seventh-semester students by the Department of Information Science and Engineering, BMSCE.
- Initiated and facilitated a cybersecurity-focused MoU between the Department and Cyberverse Foundation, establishing a framework for workshops, seminars, industry visits, value-added courses, faculty development programmes, and cybersecurity awareness initiatives.
- Coordinated industry visits and guest lecture sessions to connect students with practitioners, emerging technologies, and real-world use cases.
- Authored and co-authored nine research outputs, including the AeriSense publication and eight international journal papers in engineering and technology.
- Mentored students and led a team selected for the Grand Finale of Smart Horizon, a 48-hour international hackathon scheduled for September 2026 and organized by New Horizon College of Engineering.
- Serving as Internal Guide for two first-year engineering students undertaking internships at DRDO, with responsibility for academic monitoring and mentorship of projects in IoT and cybersecurity.
- Guiding a four-member student team on "Krishi Bandhu," an agriculture-focused project recommended by the University of Agricultural Sciences, Raichur.

Technical Account Manager | Locuz Enterprise Solutions Ltd

**Jan 2025 - Aug
2025**

Bengaluru, India

- Conducted market analysis and competitive-intelligence research for 20+ client organizations, identifying trends and business opportunities that informed strategic decisions.
- Developed partnership-evaluation frameworks that improved partner-selection accuracy by 40% and reduced partnership failure rates.
- Authored best-practice guides and tutorials supporting 500+ technical consultations annually, while maintaining strategic relationships with C-suite and technical stakeholders.

Senior Data & Analytics Consultant | Savant Labs

**May 2024 - Dec
2024**

Bengaluru, India

- Conducted US and global market research that improved lead quality by 30% and strengthened project relevance.
- Built client relationships contributing to 20% upsell growth and delivered 15+ technical presentations and product demonstrations to diverse stakeholders.

- Designed and led Azure adoption strategies for 15+ enterprise clients, increasing cloud utilization by 22% and enabling advanced solutions across industries.
- Managed 30+ customer relationships with a 95% renewal rate and delivered 20+ presentations and hands-on demonstrations, improving proposal acceptance by 28%.
- Generated a USD 1.2 million annual revenue contribution through new-business development and ranked among the top 5% of performers company-wide.

Associate | Accenture

Jul 2019 - Nov 2020

Bengaluru, India

- Standardized team processes and mentored 10+ junior members, improving efficiency by 20% and strengthening knowledge transfer.
- Evaluated requirements and prepared tailored technical proposals for 30+ clients in collaboration with subject-matter experts.

TEACHING EXPERIENCE**English Tutor | Focus Edumatics**

Mar 2020 - Mar 2021

- Digitized legacy worksheets into a learning-management system, increasing completion from 68% to 94% within two terms.
- Implemented interactive quizzes that reduced assignment-completion time by 30% while maintaining more than 80% accuracy.

Certified Teacher | PlanetSpark

Mar 2021 - Nov 2021

- Improved student writing scores by 40% through peer-review methods and structured feedback.

International English Tutor - K-12 | Turito

Nov 2021 - Mar 2022

- Created collaborative learning spaces that improved peer interaction by 40% and fostered cooperative learning.

RESEARCH & PUBLICATION PROFILE

Recent output: one AeriSense research publication discoverable through Google Scholar and eight additional international journal papers in engineering and technology.

- **An Effective Eye-Blink-Based Cybersecure PIN Password Authentication System** — Springer / ICCIDA 2022 international publication
- **Development of Healthcare E-Textile Systems and Silk as a Smart Textile** — Selected for poster presentation at IIT Delhi, ICTN 2023
- **Recognition and Maintenance of an Attendance Management System Using AI/ML via a Biometric System** — Primera Scientific Journal, 2023
- **Silk as Smart Textiles in the Development of Healthcare E-Textile Systems** — 26th ISC Congress, Romania and Sericologia, 2022
- **Cybersecurity for Identification and Analysis of Anomaly Detection in Smart-Home Systems Using Machine-Learning Algorithms** — ICRTEM 2022
- **Impact of Digitisation on the Fashion Segment and Sustainability of the Indian Silk Industry** — Sericologia, 2022

BOOKS, ARTICLES & PUBLIC OUTREACH

- The Art and Culture of Indian Silk Sarees - book published by the Government of Karnataka.
- The Journey of Silk - coffee-table book published by the Government of Karnataka.
- Tea: The Silk Secret Revealed by Black Tea! - Vijaya Karnataka.
- Rare Yak!, Saffron of Kashmir, and Mirror of the Land of Clouds - Sudha Magazine.
- Me, Dali and Kandy - Kannada Prabha.

EDUCATION**Ph.D. Research Scholar, Computer Science and Engineering**

Visvesvaraya Technological University, Belagavi | Registered
December 2025 – Present

Research Area: Explainable AI, IoT, Cyber Security for critical infrastructure

Master of Technology (Full-Time), Computer Networking

B.M.S. College of Engineering | CGPA: 9.6; SGPA 10 in two consecutive semesters

2020 - 2022

Bachelor of Engineering

K.S. School of Engineering and Management

2015 - 2019

PROFESSIONAL ENGAGEMENT & RECOGNITION

- Committee Member, Institute for Educational Research and Publication (IFERP), 2023.
- Selected Board Member, Primera Scientific Journal, 2022.
- Student Member, Engineering Research and Publication, 2022.
- Continuous professional development through Microsoft Azure certifications and technical webinars.