

HEMANTH N

Master's Student in Computer Science at UMD — Ex-Software Developer at SAP Labs India

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Education

M.S in Computer Science *University of Maryland, College Park* **2025-Present**
B.E Computer Science and Engineering *Madras Institute of Technology, Anna Univ* **2019-2023**
CGPA: 9.52/10 — Highlights: Chairman & Web Team Lead of Computer Society of MIT - Led the club and developed fully functional website with payment integration and organized 2 national level symposiums.

Professional Experience

Developer Associate *(SAP Labs India)* **Bangalore, IN** *July 2023 - Aug 2025*

- Contributed in the area of SAP Analytics Cloud and Enterprise Planning Foundation (Seamless Planning Feature utilizing Datasphere Space for Storage) for including custom widgets in visualisation. Contributed for Business Data Cloud E2E Testing.
- Collaborated cross-team for harnessing the power of Generative AI in deciphering customer messages and issues into impactful scenarios for efficient testing and enhanced bug detection capacity of our LoB by about 20%.

Student Intern *(SAP Labs India)* **Bangalore, IN** *Jan 2023 - July 2023*

- Worked on Automated Testing of SAP Analytical Cloud Platform and BW Modeling Tools using an inbuilt Java-based framework, improving code coverage by 18% and 12% for Advanced DataStore Objects and HANA Composite Provider, respectively.

Software Developer Intern *(Risposta Pvt. Ltd.)* **Hyderabad, IN** *Aug 2021 - Sept 2021*

- Contributed to frontend development of "Enterprise Data Integrator" project using MERN stack. Developed data integration patterns for diverse sources and implemented Data Ingestion modules utilizing File and API protocols.

Full Stack Developer Intern *(Shinebee Edutech Pvt. Ltd.)* **Chennai, IN** *July 2021 - Sept 2021*

- Developed fully functional website for Shinebee platform - Implemented file upload and transfer modules for efficient data management - Integrated Disqus plugin for chat option, enhancing user interaction - Ensured compatibility of upload modules and website with iPhone and Android devices - Integrated RazorPay API for secure online payments.

Projects and Notable Achievements

- GCN with Attention Mechanism for Learning User Sentiments and Enhancing Social Recommendation - Developed a GCN-based adversarial framework and autoencoder for social recommendation, implemented BERT based parser for sentiment analysis with the research under consideration for journal publication. [Project Report](#)
- Fellowship Project funded by BIRAC. Developed an AI-IoMT-based smart inhaler solution for asthma and COPD patients using ML and IoT to enhance medication adherence, which is filed for patent grant at CIPR, Anna University.
- Smart classroom for better pedagogical process and effective energy utilisation - Developed a prototype model integrating context-aware sensors to create a perfect env. for effective teaching and learning. [IEEE Conference Paper at ICoAC 2023](#)
- Health Surveillance and Disease Monitoring using Twitter data - Demonstrated proficiency in NLP, data integration, ML techniques, developing an E2E system with integrated ML model to estimate disease magnitude, monitor trends.
- Office Staff Information System - HTML, CSS, Javascript, PHP and MySQL - Automated Staff Information Portal, revenue tracking and report generation for internal transfers [Project Code and Report](#)
- CPU-Scheduling-Visualisation - Implemented FCFS, SJF, Round Robin, and Priority Scheduling CPU scheduling algorithms using Javascript and an interactive UI [Project Code and Report](#)
- Aawishkar T&I India Hackathon by SAP - Finalist and Recognized within the team for active enthusiasm to integrate GenAI into daily tasks and the internal framework used whenever given an opportunity. [Certificate](#)

Skills

- Programming / Tech:** C++, JavaScript, Python, MySQL, Java, Shell, PHP, Oracle, MongoDB
- Frameworks & Libraries:** React, jQuery, Node.js, SCSS, openCV, Selenium
- Tools/Platforms:** Postman, Git, Firebase, Figma, LaTeX