

# VARUN GOWDA H S

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## EDUCATION

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### Malnad College of Engineering

*Bachelor of Engineering in Computer Science and Engineering*

- CGPA: 7.3 / 10.0
- Relevant Coursework: Data Structures, Algorithms, Software Engineering, IoT, Machine Learning

Hassan, Karnataka

*Dec 2021 – July 2025*

## WORK EXPERIENCE

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### Plasmid Innovation

*Web Development Intern*

- Enhanced web applications using responsive designs and optimized user interfaces.
- Utilized HTML, CSS, JavaScript, and backend frameworks.

Bengaluru, Karnataka

*Aug 2023 – Oct 2023*

### Malnad College of Engineering

*Python Intern*

- Developed Python scripts for data automation and processing.
- Optimized algorithms to solve real-world problems.

Hassan, Karnataka

*Oct 2022 – Nov 2022*

## PROJECTS

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- **Real-Time Chat Application:** Designed a scalable chat application using the MERN stack (MongoDB, Express.js, React.js, Node.js). Achieved real-time communication with WebSockets, reducing latency by 70–90%. Enabled efficient concurrent connections, supporting high-performance data exchange. [GitHub Link](#)
- **API Development with Spring Boot:** Built a RESTful backend to monitor patient heart rates with asynchronous processing. Integrated secure endpoints for data retrieval and authentication, reducing system latency by 60–80%. [GitHub Link](#)
- **Bank Management System:** Created a robust system for customer accounts, transactions, and record management. Optimized database indexing and backend processing to reduce transaction latency by up to 80%. [GitHub Link](#)
- **Internet Connected Display:** Developed a lightweight system using Raspberry Pi to retrieve and present dynamic content such as news, weather, and social media feeds in real-time. Integrated APIs to enhance content delivery speed by 50% compared to traditional browsers.

## CERTIFICATIONS

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- AI for Beginners (HP LIFE), 2024
- Data Science and Analysis (HP LIFE), 2024
- Web Development Certification (Plasmid Innovation), 2023
- Python Fundamentals (Great Learning), 2023
- Soft Skill Development (NPTEL), 2023
- Python Certification (Malnad College of Engineering), 2022

## INVOLVEMENT

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- **Boy Scout (2017–2019):** Actively participated in leadership-building activities, community service, and outdoor adventures. Developed survival skills, teamwork, and effective communication.

## SKILLS

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- **Back-end Development:** Python (Django, Flask), Java (Spring), Node.js
- **Front-end Development:** HTML, CSS, JavaScript, React.js
- **Programming Languages:** Python, Java, MySQL
- **Version Control:** Git