

# SAMMY FOCUS

## Software Engineer

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## SUMMARY

Motivated computer science student seeking an industrial attachment opportunity to apply theoretical knowledge in a practical, hands-on environment. Eager to develop technical and professional skills while contributing meaningfully to organizational goals. Possesses a strong foundation in software development, problem-solving, and modern technologies, with a commitment to continuous learning and adaptability. Looking for a dynamic environment where I can support real-world projects, collaborate with experienced professionals, and gain valuable industry exposure.

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## EDUCATION

Kabarak University | Nakuru | 2022 -2026

### Bsc. Computer Science

Currently pursuing a B.Sc. in Computer Science, gaining strong foundations in software development, algorithms, data structures, and database management, with hands-on experience in programming, web development and AI/ML projects

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## SKILLS

- Team Management
  - Communication Skills
  - Adaptability
  - Problem Solving
  - Analytical and Critical Thinking
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## TECHNICAL SKILLS

### Languages

Javascript, Python, Java, SQL, HTML and CSS, Dart

### Frameworks/ Libraries

React, Node.js, Express, PyTorch, Scikit-learn, Flutter

### Tools/ Platforms

Docker, Git, AWS, Firebase, PostgreSQL, MongoDB

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# PROJECTS

## DOCUMED

### PERSONAL PROJECT

**Tech Stack:** React, Node.js, Express.js, PostgreSQL, Docker, Github

- Built a comprehensive digital platform that helps healthcare facilities organize and manage patient medical records electronically, replacing traditional paper-based systems.
- Implemented role-based access control and data encryption to ensure secure storage and retrieval of sensitive medical information.
- Integrated AI-powered medical record summarization to improve data accessibility and decision-making, enabling doctors to quickly understand patient history.
- Designed an efficient backend API architecture with scalable data models for handling patient records, lab reports, and clinical notes.
- Focused on producing a fast, reliable system with clean UI and optimized workflows for healthcare professionals.

## MINDMATE

### TEAM PROJECT

**Tech Stack:** Flutter, Dart, Firebase (Authentication, Firestore), GitHub

- Created a mobile application connecting students with tutors, featuring secure messaging and real-time communication to facilitate online learning.
  - Implemented user authentication, in-app chat functionality, and real-time data synchronization to support smooth communication between students and tutors.
  - Collaborated in a team of three using Agile methodology, conducting weekly sprints and code reviews to ensure timely delivery and quality.
  - Utilized GitHub for version control, task tracking, and collaborative development.
  - Contributed to UI/UX design choices, app structure, and efficient integration of Firebase services to create an intuitive user experience.
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