

SOMESAH K

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PROFESSIONAL SUMMARY

Aspiring Software Engineer pursuing a B.E. in Computer Science and Engineering, with hands-on experience building Python and machine learning projects while completing Full Stack Development training. Skilled at applying strong analytical and problem-solving abilities to real-world challenges, and eager to contribute effectively to organizational growth while building a career in software development.

PROJECTS

Web-Based Blood Bank System

- Architected a web-based platform to manage donor, recipient, and blood inventory records.
- Built secure record-management and blood-request tracking functionality.
- Enhanced data accessibility by designing a centralized database.

Population-Driven Forecasting

- Engineered a machine learning model to forecast water and energy demand.
- Designed data preprocessing and feature engineering pipelines to improve prediction accuracy.
- Integrated predictive analytics into the workflow to support resource planning.

AI-Powered Crop Disease Detection

- Detects crop diseases from leaf images using AI.
- Provides fast and accurate disease identification.
- Helps farmers take timely action and reduce crop losses.

TECHNICAL SKILLS

- Programming Languages:** Python, HTML, CSS
- Tools & Platforms:** VS Code, Git & GitHub
- Databases:** MySQL, MongoDB

CERTIFICATIONS

- GenAI Powered Data Analytics Job Simulation — Tata (Forage)
- YUVA AI For All — TCS iON
- Introduction to Artificial Intelligence — Infosys Springboard

ACHIEVEMENTS

- AI internship with Tata, gaining hands-on experience in Artificial Intelligence, machine learning concepts, and real-world problem-solving.

WORKSHOPS & TRAINING

- Participated in Xcelerate, a 24-Hour Hackathon held as part of NIKSHATRA E-Summit 2025 at Bangalore Institute of Technology (BIT), strengthening teamwork, innovation, and time-constrained problem-solving skills.

EDUCATION

- SJM Institute of Technology** — B.E. in Computer Science & Engineering(CGPA:7.95)2023 – 2027
- MES PU College** — 12th Grade(68.5%)2022 – 2023
- Jnana Jyothi Convent High School**— 10th(94.72%)2011 – 2021

LANGUAGES

English, Kannada (Native)