

SUBASH S

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EDUCATION

**M KUMARASWAMY
COLLEGE OF ENGINEERING**
B.TECH IN AI & DATA SCIENCE
Expected May 2027 | Karur, India
CGPA: 8.2 / 10.0 (Till 4th Sem)

**GOVERNMENT HIGHER
SECONDARY SCHOOL**
Grad. May 2023 | Namakkal, Tamil
Nadu, India

LINKS

LeetCode: Subash_Shanmugam
HackerRank: Subash Shanmugam

SKILLS

PROGRAMMING

Over 5000 lines:

Java • HTML • Python • Javascript
Bash • Tailwind CSS • R Programming •
C++

Systems & Tools | Over 1000 lines:

Linux • Git • AWS EC2/S3 • Docker •
MySQL • MongoDB

Familiar Concepts:

OOP • OS • DSA • Networking •
Distributed Systems • Algorithms • Git &
Github

SOFT SKILLS

Problem-Solving • Collaboration • Time
Management • Effective Communication

CERTIFICATIONS

**AWS CLOUD PRACTITIONER –
SKILL BUILDER** | DEVELOP CLOUD
SKILLS

Jan 2025 – Mar 2025

Learned about Build In-Demand Cloud
Skills and Prepare for AWS Certifications
by Hands-on Labs

**PYTHON FOR EVERYBODY
AND DSA -I,II** | COURSERA

Mar 2024 – Jan 2025

Learning data structures and algorithms
(DSA) is crucial for efficient
problem-solving, improving code
performance, and gaining a competitive
edge in technical fields. Which led to
Better Understanding of the World of
Real World Problems.

EXPERIENCE

MR. INNOVATOR | SOFTWARE ENGINEER

July 2025 - Present | Remote

- Worked on idea generation tools using AI and prompt engineering for micro SaaS products.
- Built automation pipelines for collecting user insights from Reddit and LinkedIn.

OPEN SOURCE CONTRIBUTOR | GITHUB

May 2025 – Present | Remote

- Contributed to bug fixes and optimization in DevOps scripts and data analysis tools.
- Improved runtime of a popular Python automation script by 35% through memory optimization.

PROJECTS

RETAIL POS SYSTEM WITH AI & UPI

Java, MySQL, QR, NLP Chatbot, Tailwind CSS, React js | Mar-2025

- Integrated AI-based chatbot for admin support using NLP, reducing manual queries by 70%.
- Automated daily sales report emails and implemented analytics dashboard to display profit margins, top-selling products, and business health score.

REDDIT TO SLACK AUTOMATION (N8N + GEMINI AI)

n8n, JavaScript, Webhooks, APIs | May-2025

- Automated Reddit issue posts to Slack with AI-generated summaries and business idea recommendations using Gemini AI and ensure 99% uptime.
- Reduced manual research time by 93%, enabling faster startup prototyping.

SMART LOG AGGREGATOR

Distributed System | Python, Flask, Kafka, Docker | July-2025 Ongoing

- Built a real-time log aggregation platform for microservices, handling over 1M logs/day.
- Used Apache Kafka for log streaming, Docker for service isolation, and Flask-based dashboard.
- Simulated node failures, implemented retry logic, and ensured real-time data recovery using replication strategy, achieving 98.7% availability.

NETWORK PERFORMANCE OPTIMIZER

C, Bash, TCP/IP, Wireshark, Linux | July-2025 Ongoing

- Developed a tool to analyze and optimize TCP socket throughput on Linux.
- Reduced latency by 27% in high-traffic scenarios using custom congestion control settings.

ACHIEVEMENTS

2025 top 50/250
2024 Shortlisted

2025 Top 5%
2024 Developed 10+

Kongu Engineering College-Coding Contest
MSME Hackathon 4.0: AI-based resource optimizer using
blockchain.
in LeetCode Monthly Challenge – May 2025
Personal Project