

Rukesh S G

Tamil Nadu, India | rukeshsg0001@gmail.com | 7305649953 | linkedin | github.com/rukeshsg

Education

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| Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College (An Autonomous Institution),
Bachelor of Engineering (B.E.) in Computer Science and Engineering (AI & ML) Chennai, India | Sept 2024 – May 2028 |
| • CGPA: 8.25/10.0 | |
| ICF Silver Jubilee Matriculation Higher Secondary School, Higher Secondary Certificate (Class 12) Chennai, India | June 2023 – May 2024 |
| • Score: 463/600 (77.1%) | |

Professional Summary

- Motivated Computer Science and Engineering student interested in Artificial Intelligence, Machine Learning, Data Science, and AI-driven applications.
- Skilled in Python, Java, and AI/ML technologies with experience in developing intelligent applications.
- Developed AI-powered projects involving BiLSTM-based intent classification, RAG, NLP, data analysis, and scalable backend systems, backed by an IBM Data Science Professional Certification.
- Passionate about solving real-world problems through AI-driven solutions and continuous learning.

Technical Skills

Programming Languages: Python, Java
AI/ML Technologies: Machine Learning, Deep Learning, BiLSTM, NLP, RAG, Data Analysis
Libraries & Tools: TensorFlow, Scikit-learn, Pandas, NumPy
Databases: MongoDB, MySQL
Tools & Platforms: Git, GitHub, VS Code, Jupyter Notebook

Projects

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| Serenity – AI Mental Health Chatbot | GitHub |
| • Developed an AI-powered mental health chatbot with BiLSTM-based intent classification, hybrid RAG retrieval, crisis detection, and emotional context tracking for intelligent support. | |
| • Built secure conversation workflows with OTP/PIN authentication, emergency escalation, analytics dashboard, and safe response generation using Flask, React, TensorFlow, FAISS, and SQLite. | |
| Knovera – AI Assisted Blogging Platform | GitHub |
| • Built an AI-assisted blogging platform with grammar correction, content summarization, writing improvement, and smart passage regeneration to enhance user content creation. | |
| • Implemented secure authentication, smart search, real-time engagement features, and scalable APIs using Next.js, TypeScript, MongoDB, Tailwind CSS, and NextAuth. | |

Certifications

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| IBM Data Science Professional Certificate | IBM (Coursera), 2026 |
| Machine Learning with Python | IBM (Coursera), 2026 |
| Programming in Java | NPTEL, 2025 |
| Elements of AI | University of Helsinki, 2025 |
| Virtual Data Science Training Program | Thiranex, 2026 |
| Machine Learning and its Applications | Vel Tech High Tech, 2026 |