

Akshat Srivastava

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[LinkedIn](#) | [Github](#) | [Leetcode](#)

EDUCATION

St. Joseph's College Class X Percentage (94%)	Prayagraj, India
St. Joseph's College Class XII Percentage (82%)	Prayagraj, India
Vellore Institute of Technology Computer Science and Engineering; GPA: 8.81	Bhopal, India

SKILLS SUMMARY

- **Languages:** Python, C++, JAVA, HTML, CSS, JavaScript
- **Libraries & Frameworks:** NumPy, Flask, MATLAB
- **Databases:** MongoDB, MySQL
- **Tools:** Git, Github, MS Office Suite, Power BI
- **Platforms:** Visual Studio Code, BlueJ, Vercel, Netlify

RELEVANT EXPERIENCE

Open-Source Contributor - GirlScript Summer of Code (GSSOC)	May 2024 – Aug 2024
<ul style="list-style-type: none">Enhanced open-source projects by resolving complex issues and deploying new features, boosting code efficiency by 25%.Orchestrated a global team of 15 open-source contributors to optimize a cloud-based data processing pipeline, achieving a 40% reduction in average latency and enhanced processing speeds.	
HEALTH HACK- John Hopkins & VIT	March 2025
<ul style="list-style-type: none">Engineered an AI-based predictive healthcare system within a cross-functional team, slashing patient diagnosis time by 30%.Conceptualized and pitched 3 groundbreaking solutions to industry leaders at a tech conference, earning positive feedback; solutions tackled critical challenges in AI ethics and data privacy.	
Network Coding for Efficient Data Transmission in Covid-19 Genomic Research:	March 2025
<ul style="list-style-type: none">This paper got published at "2025 International Conference on Intelligent Control, Computing and Communications (IC3) at IEEEImplemented network coding techniques to enhance data transmission efficiency in protein folding simulations, a consistent 50% improvement in throughput under high packet loss conditions (10%–30%) compared to traditional methods.	

PROJECTS

Sustain Hub – Sustainable Environment and Monitoring LINK	August 2024
<ul style="list-style-type: none">Built a platform connecting 10,000+ users with government for sustainability initiatives.Enabled real-time reporting, reducing response time to environmental issues by 50%..Simplified green initiative applications, boosting citizen participation by 40%.	
JeevanChakra - Personalized Healthcare Web App LINK	March 2025
<ul style="list-style-type: none">Developed a full-stack healthcare solution integrating AI-driven medical analysis, increasing self-diagnosis accuracy by 45%.Implemented a multi-channel reminder systemAdded a voice-enabled AI chatbot, improving diagnostic speed by 30%.	
EduStack - AI-driven Course Generator LINK	April 2025
<ul style="list-style-type: none">AI-powered platform personalizes coding courses based on user preferences, enhancing learning efficiency.Generates tailored course materials with Gemini AI, integrating relevant YouTube videos and notes.Allows customization of difficulty level, chapter count, and study hours for flexible learning.	

CERTIFICATES

Python Essentials, VITYARTHI	May 2023
<ul style="list-style-type: none">Certified in Python programming, data structures.	
Applied Machine Learning in Python LINK	December 2025
<ul style="list-style-type: none">Applied machine learning in Python, focusing on model building and performance evaluation.	
Fundamentals of AI and ML, VITYARTHI	March 2024
<ul style="list-style-type: none">Learned core AI/ML concepts, model building, and real-world applications.Acquired expertise in procedural programming paradigms and associated logical concepts, enhancing capabilities.	