

EDUCATION

• Columbia University	Master of Science in Computer Science
New York, NY	2025 - 2027
• Vellore Institute of Technology	Bachelor of Technology in Computer Science Engineering, CGPA: 8.7/10.0
Vellore, India	2021 - 2025
• Sir Padampat Singhanian School	Senior Secondary, CBSE, 85%
Kota, India	2020
• Sir Padampat Singhanian School	Secondary, CBSE, 90%
Kota, India	2018

EXPERIENCE

• SURYAA CHAMBALL POWER LIMITED	Jan 2025 - Present
Data Analyst	Kota, India
– Engineered an data analysis framework that reduced manual processing time by 40% and improved data accuracy by 25%	
– Implemented machine learning algorithms to build predictive models for power loss estimation, increasing accuracy by 15%	
– Architected real-time Power BI dashboards that enabled stakeholders to identify anomalies and make data-driven decisions, resulting in a 12% reduction in operational costs	
• Pro Start Me Technologies Pvt. Ltd.	Aug 2023 - Sep 2023
SEO and Generative AI Intern	Surat, India
– Developed an automated reporting tool using Python and AI techniques that decreased reporting time by 54%	
– Conducted comprehensive competitor analysis that resulted in 2-position improvement in SERP rankings for key client websites	
– Optimized meta titles and descriptions across 15+ websites, yielding a 30% increase in organic search click-through rates	
• CodeClause	Jul 2023
Python Development Intern	Remote
– Delivered 4 complex Python projects within a compressed one-month timeline.s	
– Refactored legacy codebase to reduce code size by 32% while maintaining functionality.	

PROJECTS

•3D Portfolio Website	Nov 2023 - Feb 2024
Self Project	tanmayresume.com
– Architected a fully interactive 3D website that showcases technical projects with immersive user experience, resulting in 30% longer user engagement	
– Integrated React, ThreeJS, NodeJS, Express, and EmailJS to build a performant application with 98% lighthouse performance score	
•Full Stack Social Media App - Snapgram	Dec 2023 - Apr 2024
Self Project	snapgram101.netlify.app
– Engineered a full-stack social media platform with secure authentication, real-time updates, and sharing capabilities	
– Implemented React JS, Appwrite, Tailwind CSS, and React Query to create a responsive application that handles 500+ concurrent users	
•100 Day 100 Projects Challenge	Nov 2023 - Feb 2024
Self Challenge	GitHub Repository
– Executed 100 Python projects in 100 days, accumulating over 600 coding hours and strengthening algorithm design skills	
– Developed competencies in data structures, competitive programming, API integration, and data manipulation through daily practical application	
– Leveraged key Python libraries to solve real-world problems, resulting in a portfolio that demonstrates versatility and technical growth	

SKILLS

- **Programming Languages:** Python, C/C++, JavaScript, HTML, CSS, Java, SQL
- **Tools and Frameworks:** React, Node.js, Express.js, MongoDB, Three.js, Power BI, Jupyter, Git, Visual Studio Code, Vite
- **AI/ML and Data Science:** Machine Learning, NLP, Data Analysis, TensorFlow, PyTorch, scikit-learn, Pandas, NumPy, Claude, GPT
- **Web Development:** Frontend Development, Backend Development, RESTful APIs, Responsive Design, Tailwind
- **Soft Skills:** Problem Solving, Leadership, Cross-functional Collaboration, Project Management, Communication

CERTIFICATIONS

- **Software Engineer Certificate** - Hackerrank
- **Career Essentials in Software Development** - Microsoft and LinkedIn
- **Career Essentials in Generative AI** - Microsoft and LinkedIn
- **Introduction to Google SEO** - Coursera and Google
- **AWS Academy Cloud Foundations** - AWS Amazon Web Services
- **Cloud Digital Leader** - Google Cloud

LEADERSHIP EXPERIENCE

• <b>Technical Project Head</b> ,SCRS Chapter, VIT Vellore	<i>Apr 2023 - Jan 2025</i>
• <b>Event Coordinator</b> ,Blockchain, VIT Vellore	<i>Mar 2023 - Apr 2023</i>
• <b>Core Member</b> ,Google Developer Student Clubs, VIT Vellore	<i>Jan 2023 - Apr 2023</i>
• <b>Core Member</b> ,ISTE Chapter, VIT Vellore	<i>Jun 2022 - Jan 2023</i>

PUBLICATIONS

- **Designing Energy Aware Scheduling and Task Allocation Algorithms for Online Reinforcement Learning Applications in Cloud Environments**: IEEE Transactions on Computational Social Systems [Link]

ACHIEVEMENTS

• <b>Freelancing</b> , Successfully completed 4 web development projects for clients.	<i>2024</i>
• <b>Competitive Coding</b> , Solved 600+ problems on CodeChef and 200+ problems on LeetCode.	<i>2023</i>
• <b>SIH Hackathon</b> , Advanced to the national level in the Smart India Hackathon.	<i>2023</i>
• <b>State Level Player</b> , Represented district in state-level Chess and Tennis competitions.	<i>2018</i>
• <b>International Olympiads</b> , Multiple awards in International Mathematics, Science, and Cyber Olympiads.	<i>2008-2020</i>