Tanmay Agarwal

Bachelor of Technology
Computer Science Engineering
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SUMMARY

As an ambitious student from India, my insatiable thirst for knowledge drives me to make a profound impact on society. With an unwavering commitment to continuous learning, I eagerly embrace new challenges as thrilling opportunities for innovation and change.

EDUCATION

Degree	Institute	Board / University	CGPA/Percentage	Year
B.Tech CSE	Vellore Institute of Technology, Vellore	VIT, Vellore	8.7 (Till 6th Sem)	2021-2025
Senior Secondary	Sir Padampat Singhania School, Kota	CBSE	85%	2020
Secondary	Sir Padampat Singhania School, Kota	CBSE	90%	2018

EXPERIENCE

- **Pro Start Me Technologies Pvt. Ltd.** — *Aug 2023 - Sept 2023*
  SEO and Generative AI Intern — Surat
  - Contributed to an automated reporting tool, cutting reporting time by 54%.
  - Competitor analysis resulted in 2 page ranking improvement.
  - Improved meta titles and descriptions, increasing organic search CTR by around 30%.

- **CodeClause** — *July 2023 - July 2023*
  Python Development Intern — Remote
  - Implemented 4 projects, covering all the tasks during the internship.
  - Showcased skill by decreasing code size by 32%, leading to more streamlined code.

PROJECTS

- **3D Portfolio website** — *Nov 2023 - Feb 2024*
  Self Project — **https://tanmayresume.com/**
  - Created a completely 100% functional and interactive 3D website.
  - Utilized React, NodeJS, Express, ThreeJS, EmailJS, and various other tools to drive successful project development

- **Full Stack Social Media App - Snapgram** — *Dec 2023 - Apr 2024*
  Self Project — **https://snapgram101.netlify.app/**
  - Built a Social Media App, allowing users to share photos and connect with friends in a familiar social media environment.
  - Leveraged technologies such as React JS, Appwrite, Tailwind CSS, React Query, and other advanced tools.

- **Figma Clone** — *Apr 2024 - July 2024*
  Self Project — **https://figpro.netlify.app/**
  - Created a full stack working clone of Figma, with complete real time functionalities.
  - Closely replicating Figma's core functionality for a seamless user experience.

- **EnRoute - Shuttle Tracking** — *Mar 2021 - Apr 2021*
  Group Project — **Github**
  - An API project enhanced shuttle sustainability, boosting resource use and cutting costs.
  - Used real-time GPS data to streamline routes and cut fuel use by, leading to reduced cost and environmental footprint.

- **100 day 100 projects** — *Nov 2023 - Feb 2024*
  Self Challenge — **Github**
  - Engaged in daily Python coding exercises, approximately 1 project per day.
  - Developing skills like DSA, CP, API integration, data manipulation and many more.
  - Utilized Python for diverse projects, leveraging key libraries to solve real-world problems, totaling around 600 coding hours.

SKILLS

- **Programming Languages**: Python, C/C++, HTML, CSS, JavaScript, Java
- **Tools and Frameworks**: ChatGPT, Jupyter, Visual Studio, MongoDB, ExpressJS, React, NodeJS, ThreeJS, EmailJS, VITE and many more.
- **Other Technical Skills**: Full Stack Web Development, SEO (Search Engine Optimization), AI / ML, Data Science, Automation
- **Soft Skills and Interests**: Competitive Coding, Creative Thinking, Problem Solving, Teamwork, Leadership, Badminton, Sketching, Singing, Composition, Photography

KEY COURSES TAKEN

- **CSE**: Python, C++, Software Engineering, Data Structures and Algorithms, Database Systems, Operating Systems, Computer Networks, Artificial Intelligence, Programming for Data Science, Information Security Management, Advanced Competitive Coding, Design and Analysis of Algorithms, Machine Learning, Deep Learning, Data Mining, Data analytics
- **Maths**: Calculus, Differential Equations, Complex Variables and Linear Algebra, Discrete Mathematics and Graph Theory, Probability and Statistics, Cryptography
- **Others**: Principles of Management, Basic Electrical Engineering, Technical English Communication, Embedded Systems, Digital Systems Design, Microprocessors and Microcontrollers

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
- **Automating Real-World Tasks with Python** Coursera and Google
- **AWS Academy Cloud Foundations** AWS Amazon Web Services
- **Generative AI Fundamentals** Google Cloud
- **Cloud Digital Leader** Google Cloud
- **Introduction to Generative AI** Google Cloud
- **WildLife Ecology** NPTEL
- **Public Speaking** NPTEL

POSITIONS OF RESPONSIBILITY

Technical Project Head, SCRS Chapter, VIT Vellore	*Apr 2023 - Present*
Event Coordinator, Blockchain Event, VIT Vellore	*Apr 2023 - Present*
Core Member, CodeChef, VIT Vellore	*Mar 2023 - Present*
Core Member, Google Developer Student Clubs, VIT Vellore	*Jan 2023 - Apr 2023*
Core Member, ISTE Chapter, VIT Vellore	*June 2022 - Apr 2023*
Core Member, Mozilla Firefox, VIT Vellore	*June 2022 - Apr 2023*
Core Member, Apples Developers Society, VIT Vellore	*Jan 2023 - Apr 2023*

ACHIEVEMENTS AND ACTIVITIES

Freelancing, Successfully completed 3 Web Development Freelancing works.	*2024*
Competitive Coding, 600+ Problems Solved on CodeChef and 200+ Problems Solved on LeetCode.	*2023*
SIH Hackathon, Participated, and team got selected from the college round.	*2023*
YouTube, Created two successful YouTube channel: Pysphere and TanmaySongs.	*2023*
Like_an_artist, Established a dedicated profile showcasing my drawings and sketches.	*2023*
Chess and Tennis, State level player in chess and Tennis.	*2018*
Olympiads, Received numerous awards in various International Olympiads such as IMO, ISO, ICO, etc.	*2008-2020*

PUBLICATIONS

- **Designing Energy Aware Scheduling and Task Allocation Algorithms for Online Reinforcement Learning Applications in Cloud Environments**: IEEE Transactions on Computational Social Systems   https://ieeexplore.ieee.org/document/10803910

SOME OTHER PROJECTS

Web Development projects

- **Tax Planner Freelancer Work**
- **Full Stack Social Media Website**
- **Lakshya NGO Freelancer Work**
- **Agrawal Child Hospital Freelancer Work**
- **Full Stack Threads Clone**
- **Full Stack Figma Clone**
- **CSS card component**
- **Task Management Website**

AI/ML & Basic-Python projects

- **Stock Market Management**
- **Cricket Simulation**
- **Workout Tracking App**
- **Taylor Swift Lyrics Generator**
- **Multi Language Teacher**
- **Voice Assistant**