Ananya Verma

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B.Tech - Computer Science and Engineering   Github & Portfolio

RV University, Bangalore   linkedin.com/in/ananya-verma-6339b1251

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. (Computer Science)	RV University, Bangalore	9.36 (5th Sem)	2022-Present
Senior Secondary	CBSE Board	86%	2022
Secondary	CBSE Board	92%	2020

EXPERIENCE

- **AI/ML Intern, Dassault Systèmes**   *June 2025 - July 2025*
  Bangalore   CERTIFICATE
  - Built interactive BI dashboards in Netvibes using a custom MediData dataset with 500+ synthetic records.
  - Prototyped 15+ CAD models by converting natural language prompts into CATIA files using Gemini LLM.
  - Reduced design iteration time by 35% through AI-driven prompt-to-CAD automation.

- **ML Intern, Visist AI**   *June 2024 - July 2024*
  Bangalore   CERTIFICATE
  - Trained models using toolboxes like mmpose and mmdet for badminton pose estimation and shuttle tracking
  - Annotated videos and helped building the datasets for training

PROJECTS

- **Text-To-CAD Generator**   *Link*
  Tech Stack: React.js, Three.js, FastAPI, Google Gemini, OpenSCAD, Docker, TypeScript   Github Link
  - Built a full-stack Text-to-CAD system enabling 3D CAD model generation from natural language prompts with 85% script validity.
  - Integrated .CATPart–.STL conversion with Three.js rendering, reducing preview time under 10 seconds.
  - Engineered prompt templates and validation logic, cutting manual fixes by 40%.

- **Parking Management System**
  Tech Stack: Java, MySQL, JDBC, Java Swing   Github Link
  - Developed a Java-based parking system with MySQL integration for reliable data persistence.
  - Built a responsive GUI using Java Swing, enhancing usability.
  - Implemented modular, testable code architecture aligned with OOP principles.

- **Moody – Mood Journaling Web App**   *Link*
  Tech Stack: MongoDB, Express.js, React, Node.js, TailwindCSS, Vercel, Render   Github Link
  - Engineered a MERN stack journaling platform to log and visualize daily mood patterns.
  - Designed secure RESTful APIs with Node.js and Express.js integrating MongoDB for scalable storage.
  - Developed a responsive React frontend with TailwindCSS, ensuring clean and accessible UI.

SKILLS

- **Programming**: Python, C/C++, Java
- **Technical**: Cloud Computing, Docker/Kubernetes, OpenCV, NLP, CNNs, Cybersecurity (Basic), Git, GitHub Actions, CI/CD, UiPath (RPA), IoT basics, Networking, Agentic AI workflows
- **Operating Systems**: Windows, Linux (Ubuntu)

KEY COURSES (AS OF JAN 2025)

- **Mathematics**: Linear Algebra, Discrete Maths, Probability & Random Processes, Calculus for Computer Science
- **Programming**: Fundamentals in C, DBMS, DSA, OOP in Java, Theory of Computation, Design Analysis of Algorithms
- **Other**: Operating Systems, System Software, Computer Networks, Intro to Cloud Computing, Web App Security, Intro to Web Development
- **NPTEL / Online**: Big Data Computing (Top 1%), Google Cloud Computing (Top 5%), Python Bootcamp (Udemy), Python-Based Image Processing (Udemy), C for Beginners (Udemy), AI Skills Challenge (Microsoft)